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ACCOUNTS AND PAPERS:

TWENTY-NINE VOLUMES.

—(3.)—

ARMY ESTIMATES; ARMY AND MILITIA;
ARMSTRONG GUNS; BARRACKS (IRELAND);
CANADA (TRANSPORT OF TROOPS);
EAST INDIA (HER MAJESTY'S FORCES); ENFIELD RIFLES;
FLOGGING AND MARKING;
MANUFACTURING ESTABLISHMENTS; MILITIA;
ORDNANCE SURVEY, &c.; PENSIONS;
PRIZE MONEY; RIFLED GUNS.

Session

7 February — 6 July 1865.

VOL. XXXII.

1865.

ACCOUNTS AND PAPERS:

1865.

TWENTY-NINE VOLUMES:—CONTENTS OF THE THIRD VOLUME.

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ARMY ESTIMATES

OF

EFFECTIVE AND NON-EFFECTIVE SERVICES,

FOR 1865-66.

(PRESENTED TO PARLIAMENT BY HER MAJESTY'S COMMAND.)

*Ordered, by The House of Commons, to be Printed,
17 February 1865.*

ABSTRACT OF ARMY ESTIMATES, 1865-66.

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	TOTAL EFFECTIVE AND NON-EFFECTIVE SERVICES - - £.	-

ABSTRACT OF ARMY ESTIMATES, 1865-66.

VOTES.	1865-66.	1864-65.	INCREASE.	DECREASE.	Approximate Amount to be paid into the Exchequer as Extra Receipts during the Year	
	<i>Numbers.</i>	<i>Numbers.</i>	<i>Numbers.</i>	<i>Numbers.</i>	1865-66.	1864-65.
A.	142,477	146,766	-	4,289		
B.	178	1,532	-	1,354		
	£.	£.	£.	£.	£.	£.
1	5,434,567	5,708,983	-	274,416	1,197,740	831,405
2	1,205,800	1,319,047	-	113,247		
3	574,256	596,694	-	22,438		
4	609,900	611,165	-	1,265		
5	44,335	45,433	-	1,098		
6	26,300	40,549	-	14,249		
7	246,544	262,216	-	15,672		
					12,400	6,767
					65,000	78,695
					—	—
					700	755
					3,100	345
8	786,400	783,783	2,617	-	4,000	1,410
9	91,000	87,086	3,914	—	—	—
10	334,900	328,260	6,640	—	—	—
11	46,000	49,580	-	3,580	—	—
12	972,900	973,031	-	131	8,000	140
13	485,000	572,519	-	87,519	78,000	82,870
14	811,400	750,870	60,530	-	15,400	12,100
15	163,500	173,883	-	10,383	55,000	57,830
16	88,345	88,345	-	-	13,600	4,145
17	107,700	123,103	-	15,403	1,700	4,980
18	212,800	223,384	-	10,584	—	—
-	12,241,647	12,737,931	73,701	569,985	1,455,240	1,081,442
19	26,100	26,020	80	-	248,200	243,000
20	74,200	75,400	-	1,200		
21	455,000	449,471	5,529	-		
22	162,100	162,986	-	886		
23	28,200	29,663	-	1,463		
24	33,200	33,260	-	60		
25	1,168,000	1,161,812	6,188	-		
26	131,000	136,332	-	5,332		
27	29,000	31,213	-	2,213		
-	2,106,800	2,106,157	11,797	11,154	248,200	243,000
-	12,241,647	12,737,931	73,701	569,985	1,455,240	1,081,442
-	2,106,800	2,106,157	11,797	11,154	248,200	243,000
-	14,348,447	14,844,088	85,498	581,139	1,703,440	1,324,442

TOTAL AMOUNT VOTED, 1864-65	-	-	-	-	-	£.
TOTAL AMOUNT OF ESTIMATE, 1865-66	-	-	-	-	-	14,844,088
						14,348,447

Estimated Amount of Extra Receipts, 1865-66	-	-	£. 1,703,440	495,641	Decrease in amount to be voted for 1865-66.
Ditto - - - - ditto - - 1864-65	-	-	1,324,442	378,998	
TOTAL DIMINUTION OF CHARGE, 1865-66, as compared with 1864-65	-	-	£.	874,639	More Receipts in 1865-66.

VOTE (A.)

DETAIL OF THE REGIMENTAL ESTABLISHMENTS OF HER MAJESTY'S
LAND FORCES.

BRITISH ESTABLISHMENTS.

Number of Regiments.	CORPS.	Establishment per Brigade, Battalion, or Regiment.				TOTAL for each Arm of the Service, or at the several Stations Abroad.			
		Officers.	Non- Commis- sioned Officers.	Rank and File.	All Ranks.	Officers.	Non- Commis- sioned Officers.	Rank and File.	All Ranks, 1865-66.
	ROYAL HORSE ARTILLERY:								
2	Brigades, Home - - - - -	43	66	860	969	86	132	1,720	1,938
	Depôt for Brigades in India - - -	11	35	404	449	11	35	404	450
	Riding Establishment - - - - -	7	13	205	225	7	13	205	225
	CAVALRY:								
3	Regiments of Life and Horse Guards -	33	64	343	440	99	192	1,029	1,320
12	Regiments of Cavalry of the Line -	34	59	496	589	408	708	5,952	7,068
4	Ditto - - - ditto - - - - -	34	58	496	588	136	232	1,984	2,352
1	Ditto - - - ditto - - - - -	34	50	496	590	34	60	496	590
11	Depôts for Regiments in India - -	4	13	57	74	44	143	627	814
	ROYAL ARTILLERY:								
7	Garrison Brigades - - - - -	53	71	744	868	371	497	5,208	6,076
2	Ditto - - - - -	53	70	744	867	106	140	1,488	1,734
1	Ditto - - - - -	55	71	744	870	55	71	744	870
2	Field Brigades - - - - -	62	110	1,376	1,543	124	220	2,752	3,096
1	Ditto - - - - -	75	136	1,720	1,931	75	136	1,720	1,931
	Coast Brigade - - - - -	29	438	1,274	1,741	29	438	1,274	1,741
	Depôt Brigade - - - - -	39	211	1,064	1,314	39	211	1,064	1,314
	Depôt for Brigades in India - -	25	71	1,341	1,437	25	71	1,341	1,437
	ROYAL ENGINEERS:								
	Corps of Royal Engineers - - - -	399	344	3,474	3,817	399	344	3,474	4,217
	Engineer Train - - - - -	1	30	444	475	1	30	444	475
	MILITARY TRAIN:								
1	Regiment - - - - -	97	186	1,534	1,817	97	186	1,534	1,817
	FOOT GUARDS:								
	Grenadier Guards - - - - -	109	186	2,250	2,545	109	186	2,250	2,545
	Coldstream Guards - - - - -	74	124	1,500	1,698	74	124	1,500	1,698
	Scots Fusilier Guards - - - - -	74	136	1,500	1,710	74	136	1,500	1,710
	INFANTRY:								
	Colonels of 112 Regiments - - -	112	-	-	-	112	-	-	112
7	Battalions - - - - -	44	81	700	825	308	567	4,900	5,775
27	Ditto - - - - -	44	81	750	875	1,188	2,187	20,250	23,625
3	Ditto - - - - -	44	87	750	881	132	261	2,250	2,643
5	Ditto - - - - -	44	81	760	885	220	405	3,800	4,425
	Ditto - - - - -	44	81	800	925	44	81	800	925
1	Ditto - - - - -	44	87	800	931	44	87	800	931
3	Ditto - - - - -	44	81	900	1,025	132	243	2,700	3,075
47									
30	Ditto - - - - -	44	83	800	927	1,320	2,490	24,000	27,810
3	Ditto - - - - -	45	83	800	928	135	249	2,400	2,784
2	Ditto - - - - -	44	83	900	1,027	88	166	1,800	2,054
5	Ditto - - - - -	44	83	950	1,077	220	415	4,750	5,385
1	Ditto - - - - -	45	83	950	1,078	45	83	950	1,078
41									
53	Depôts for Battalions in India - -	6	14	100	120	318	742	5,300	6,360
	MISCELLANEOUS CORPS, &c.:								
	Army Hospital Corps - - - - -	1	220	759	980	1	220	759	980
	Commissariat Staff Corps - - - -	2	112	488	602	2	112	488	602
2	West India Regiments - - - - -	48	68	750	866	96	136	1,500	1,732
2	Ditto - - - - -	50	68	750	866	100	135	1,500	1,735
	Ceylon Rifle Regiment - - - - -	79	95	1,200	1,374	79	95	1,200	1,374
	Cape Mounted Rifles - - - - -	28	52	474	554	28	52	474	554
	Royal Malta Fencible Artillery - -	25	50	564	639	25	50	564	639
	Royal Canadian Rifles - - - - -	53	97	1,200	1,350	53	97	1,200	1,350
	African Artillery - - - - -	-	-	64	64	-	-	64	64
	Gun Lascars - - - - -	-	8	80	88	-	8	80	88
TOTAL ON BRITISH ESTABLISHMENT - - -						7,093	13,186	121,239	141,518

RECAPITULATION.

	Officers.	Non-Com- missioned Officers.	Rank and File.	ALL RANKS.	
				1865-66.	1864-65.
REGIMENTS:					
Royal Horse Artillery - - - -	86	132	1,720	1,938	1,938
Riding Establishment - - - -	7	13	205	225	222
Life and Horse Guards - - - -	99	192	1,029	1,320	1,320
Cavalry of the Line - - - -	578	1,000	8,432	10,010	10,011
Royal Artillery - - - -	799	1,713	14,250	16,762	17,244
Royal Engineers - - - -	400	374	3,918	4,692	4,693
Military Train - - - -	97	186	1,534	1,817	1,841
Foot Guards - - - -	257	446	5,250	5,953	6,303
Infantry of the Line - - - -	3,940	7,234	69,400	80,574	82,755
Army Hospital Corps - - - -	1	220	759	980	980
Commissariat Staff Corps - - - -	2	112	488	602	601
West Indian Regiments - - - -	196	271	3,000	3,467	4,329
Colonial Corps - - - -	185	302	3,582	4,069	4,070
TOTAL, Regiments - - - -	6,647	12,195	113,567	132,409	136,307
DEPÔTS IN THE UNITED KINGDOM OF REGIMENTS IN INDIA:					
Royal Horse Artillery - - - -	11	35	404	450	447
Cavalry - - - -	44	143	637	814	814
Royal Artillery - - - -	25	71	1,341	1,437	1,435
Infantry - - - -	366	742	5,300	6,408	6,651
TOTAL, Depôts in the United King- dom of Regiments in India - - }	446	991	7,672	9,109	9,347
TOTAL, Force on British Establishment					
General Staff - - - -	101	-	- -	101	103
ESTABLISHMENTS: (Exclusive of certain OFFICERS included under "REGIMENTS.")					
Cavalry Depôt - - - -	13	14	- -	27	41
Infantry Depôts - - - -	109	116	- -	225	356
Recruiting Establishments - - - -	34	55	- -	89	90
Instruction in Gunnery - - - -	-	31	47	78	78
„ Engineering - - - -	-	15	- -	15	15
„ Musketry - - - -	26	55	38	119	120
TOTAL, Establishments - - - -	182	286	85	553	700
EDUCATIONAL ESTABLISH- MENTS:					
Cadet Company, Royal Military Aca- demy, Woolwich - - - - }	10	21	12	43	45
Royal Military College, Sandhurst - -	12	36	- -	48	49
Regimental Schools - - - -	8	206	- -	214	215
TOTAL, Educational Establishments -	30	263	12	305	309
REGIMENTS:					
Regiments - - - -	6,647	12,195	113,567	132,409	136,307
Depôts in the United Kingdom of Regi- ments in India - - - - }	446	991	7,672	9,109	9,347
General Staff - - - -	101	-	- -	101	103
Establishments - - - -	182	286	85	553	700
Educational Establishments - - - -	30	263	12	305	309
TOTAL FORCE, the Cost of which is to be defrayed from ARMY FUNDS - - }	7,406	13,735	121,336	142,477	146,766

HORSES.

	1865-66.	1864-65.
For REGIMENTS on the BRITISH ESTABLISHMENT, and for DEPÔTS in ENGLAND of REGIMENTS in INDIA :		
Royal Horse Artillery - - - -	1,356	1,356
Depôt for India - - - -	160	160
Riding Establishment - - - -	122	130
Life Guards and Horse Guards - -	825	825
Cavalry of the Line - - - -	5,889	6,257
Depôt for India - - - -	300	400
Royal Artillery - - - -	2,380	2,446
Depôt for India - - - -	-	338
School of Gunnery - - - -	28	28
Royal Engineers - - - -	307	307
Military Train - - - -	996	996
Cape Mounted Rifles - - - -	450	450
TOTAL, HORSES - - -	12,813	13,693

HER MAJESTY'S BRITISH FORCES IN INDIA.

(Exclusive of Depôts in this Country.)

	Officers.	Non- Commissioned Officers.	Rank and File.	ALL RANKS.	
				1865-66.	1864-65.
Royal Horse Artillery - -	201	249	2,680	3,130	3,124
Cavalry of the Line - -	352	575	5,082	6,009	6,008
Royal Artillery - - -	689	872	9,210	10,771	10,777
Royal Engineers - - -	336	-	-	336	-
Infantry of the Line - - -	2,067	3,681	45,050	50,798	52,775
TOTAL - - -	3,645	5,377	62,022	71,044	72,684

VOTE (B.)

	1865-66.	1864-65.
Native Indian Troops serving in Labuan - - -	178	178
Native Indian Troops serving in China - - -	-	1,354

STATEMENT showing the AGGREGATE AMOUNT of the SERVICES contained in the ESTIMATES for the Three Years ending the 31st March 1866, after taking into Account the Extra Receipts payable into the Exchequer.

1863-4.

PART I.

REGULAR FORCES.

	Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£. s. d.
Vote.1. GENERAL STAFF and REGIMENTAL PAY, } ALLOWANCES, and CHARGES - - }	11	5,434,567	5,708,983 - -
Vote 2. COMMISSARIAT ESTABLISHMENT, SER- } VICES, and MOVEMENT of TROOPS - }	18	1,205,800	1,319,047 - -
Vote 3. CLOTHING ESTABLISHMENTS, SERVICES, } and SUPPLIES - - - - }	20	574,256	596,694 - -
Vote 4. BARRACK ESTABLISHMENT, SERVICES, } and SUPPLIES - - - - }	22	609,900	611,165 - -
Vote 5. DIVINE SERVICE - - - - -	24	44,335	45,433 - -
Vote 6. MARTIAL LAW - - - - -	25	26,300	40,549 - -
Vote 7. MEDICAL ESTABLISHMENT, SERVICES, } and SUPPLIES - - - - }	26	246,544	262,216 - -
TOTAL - - - - £.		8,584,702	8,584,087 - -

VOTE 1.

GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES.

Numbers.			ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
1864-65.	1865-66.		£.	s. d.	£.	s. d.
GENERAL STAFF:						
(Vide Appendix, No. 1, page 111.)						
6	6	Lieutenant Generals - - - -	8,477	2 6	8,303	15 -
20	19	Major Generals - - - -	13,320	19 7	15,453	2 6
1	1	Inspector General of Cavalry - - -	691	19 7	691	19 7
1	1	Inspector General of Artillery - - -	691	19 7	691	19 7
1	1	Inspector General of Engineers - - -	{Pay provided in Vote 18.}		—	
1	1	Major General attached to the Foot Guards -	691	19 7	691	19 7
1	-	Inspector General of Infantry - - -	—		691	19 7
9	10	Brigadier Generals - - - -	5,201	5 -	4,681	2 6
15	15	Colonels on the Staff - - - -	5,511	10 -	5,730	10 -
6	6	Deputy Adjutants General - - - -	2,230	10 -	2,230	10 -
16	14	Assistant Adjutants General - - - -	3,640	17 6	4,161	- -
3	5	Deputy Assistant Adjutants General - -	866	17 6	1,137	6 -
7	6	Deputy Quartermasters General - - -	2,230	10 -	2,287	10 -
8	5	Assistant Quartermasters General - - -	1,300	6 3	2,080	10 -
11	13	Deputy Assistant Quartermasters General -	2,167	3 9	3,435	9 6
4	4	Military Secretaries - - - -	1,547	7 -	1,547	7 -
9	9	Assistant Military Secretaries - - - -	1,560	7 6	1,416	- -
19	17	Commandants - - - -	2,427	5 -	2,717	17 6
26	25	Majors of Brigade - - - -	4,334	7 6	4,363	7 6
6	6	Aides de Camp to the Queen - - - -	1,140	12 6	1,140	12 6
50	48	Aides de Camp - - - -	8,322	- -	9,221	16 6
1	1	Staff Captain - - - -	211	7 11	211	7 11
15	14	Town and Fort Majors - - - -	2,107	17 6	2,194	11 3
12	13	Town and Fort Adjutants - - - -	1,126	18 9	1,040	5 -
9	8	Garrison Adjutants - - - -	693	10 -	780	3 9
3	3	Garrison and Camp Quartermasters - - -	489	14 2	489	14 2
260	256		£.	70,984 8 8	77,391	16 11
Garrison and Staff Serjeants Major, Clerks, Messengers, and others			18,053	- -	18,051	- -
Postage and Miscellaneous Expenses of the Offices - - -			1,687	- -	1,543	- -
Allowance in lieu of Servants - - - -			4,425	- -	4,225	- -
Travelling Expenses - - - -			2,519	- -	2,300	- -
Total Money to General Officers - - - -			5,369	- -	5,500	- -
TOTAL FOR GENERAL STAFF - - - £.			-	- -	-	- -
Carried forward - - - £.			-	- -	-	- -
				103,037		109,011
				103,037		109,011

Note.—The above is exclusive of the Pay and Allowances of the Head Quarter Staff at the Horse Guards, for which provision is made in Vote 18, page 67.
The Staff Pay to Officers is in addition to Regimental, Unattached, or Half-pay.

VOTE 1.—GENERAL STAFF AND REGIMENTAL

NUMBERS.		For Detail of Establishment and Charges for each Arm of the Service, <i>vide</i> Appendix, Nos. 2 and 3, from page 116 to 132.	PAY.	Additional Pay for Brevet Rank, and Length of Service.	Extra Pay to Engineer Officers.	Good Conduct Pay.	Beer Money.	Command Pay.
1864-65.	1865-66.							
		Brought forward - - -	£. -	£. -	£. -	£. -	£. -	£. -
		REGIMENTS.						
1,938	1,938	Royal Horse Artillery - -	77,084	1,618	-	2,342	3,382	329
447	450	Ditto - - Depôt - - -	18,950		-	-	-	-
222	225	Riding Establishment - - -	7,715	-	-	170	312	120
1,320	1,320	Life and Horse Guards - - -	71,603	610	-	2,395	1,800	-
10,011	10,010	Cavalry of the Line - - -	381,494	4,300	-	10,100	13,800	931
814	814	Depôt, ditto - - for India	41,449		-	-	-	-
17,244	16,762	Royal Artillery - - -	597,818	8,952	-	20,416	17,345	4,070
1,435	1,437	Depôt, ditto - - for India	51,300		-	-	-	-
4,693	4,692	Royal Engineers - - -	196,220	2,850	40,000	4,843	3,360	3,978
1,841	1,817	Military Train - - -	62,345	1,275	-	1,240	2,190	330
6,303	5,953	Foot Guards - - -	176,007	1,742	-	5,263	6,761	-
82,755	80,574	Infantry of the Line - - -	2,230,247	26,700	-	75,200	55,000	4,700
6,651	6,408	Depôt, ditto - - for India	215,391		-	-	-	-
980	980	Army Hospital Corps - - -	23,701	10	-	500	-	-
601	602	Commissariat Staff Corps - -	18,158	52	-	700	500	91
4,329	3,467	West India Regiments - - -	100,617	465	-	2,608	-	220
1,374	1,374	Ceylon Rifle Regiment - - -	32,567	441	-	2,728	-	55
555	554	Cape Mounted Rifles - - -	15,403	200	-	1,000	-	55
1,350	1,350	Royal Canadian Rifles - - -	36,223	428	-	2,293	-	55
639	639	Royal Malta Fencible Artillery -	15,106	64	-	1,872	-	55
64	64	African Artillery - - -	1,547	-	-	-	-	-
88	88	Gun Lascars - - -	1,527	-	-	-	-	-
145,654	141,518	TOTAL Estimate, 1865-66 - £.	4,372,472	49,707	40,000	134,670	104,450	14,989
		TOTAL Estimate, 1864-65 - £.	4,446,843	53,179	41,000	130,912	115,691	15,685

	NUMBERS.	
	1865-66.	1864-65.
Force on British Establishment - - -	132,409	136,307
Depôts in the United Kingdom of Regiments in India, the Expense of which is defrayed by the Indian Government by a Capitation Rate of 10 l. per annum for each Officer and Soldier of Her Majesty's British Forces in India - - -	9,109	9,347
TOTAL - - -	141,518	145,654

PAY, ALLOWANCES AND CHARGES—continued.

Servants' Allowance to Engineer Officers, and to other Regimental Officers (including Black Servants' Allowance).	Non-Effective Allowance to Field Officers, and Contingent Allowance to Captains.	Allowances to Riding Masters, Rough Riders, and Lance Serjeants, and Farriery Allowance.	Special Allowances to Household Cavalry and Foot Guards.	Allowance to Officers, Instructors of Musketry, and to Officers and Non-Commissioned Officers, Instructors in Gunnery.	Table Allowance to the Guard at St. James's and Dublin, and Allowance in aid of Regimental Messes.	Special Allowances to the Troops serving in China.	Agency, including Allowance to the Agents for Postage and Stationery.	Regimental Postage, Stationery, &c.	ESTIMATE.	
									1865-66.	1864-65.
£.	£.	£.	£.	£.	£.	£.	£.	£.	£.	£.
- -	- -	- -	- -	- -	- -	- -	- -	- -	103,037	109,011
- -	795	1,247	- -	183	400	Provided in Vote 2 in 1865-6.	- -	150	106,480	104,707
- -	51	99	- -	- -	38		- -	9	8,514	7,932
- -	960	948	315	- -	600		650	204	80,085	80,455
- -	6,600	7,000	- -	- -	3,700		6,600	1,200	477,174	481,295 45,844
917	4,800	2,047	- -	1,314	3,275		4,800	2,395	719,449	739,257
11,500	2,427	223	- -	108	1,620		- -	221	267,350	275,097
- -	858	839	- -	- -	500		260	240	70,077	71,513
- -	11,746	-	11,583	319	4,000		1,892	455	219,768	224,902
1,400	35,000	-	- -	4,000	17,400		26,000	6,100	2,697,138	2,776,923
- -	420	-	- -	- -	- -		- -	-	24,631	24,631
18	219	-	- -	46	- -		- -	-	19,784	19,694
- -	1,200	-	- -	236	1,800		580	192	107,918	131,045
- -	638	-	- -	46	- -		31	70	36,576	36,576
711	369	42	- -	46	- -		124	36	17,986	19,326
- -	511	-	- -	46	- -		150	98	40,804	41,525
- -	160	-	- -	82	- -		11	36	17,386	17,386
- -	-	-	- -	-	38		- -	-	1,585	1,585
- -	37	-	- -	-	-		- -	-	1,564	1,564
14,546	66,791	12,445	11,898	6,426	33,371	-	41,098	11,406	4,914,269	5,051,257
14,684	69,147	12,657	12,265	6,335	31,941	49,206	40,602	11,110	5,017,306	5,160,268

VOTE I.—GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*

		ESTIMATE. 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward - - -		-	5,017,806	-	5,160,268
NATIVE INDIAN TROOPS:					
<i>Pay Clothing, &c. of Two Regiments of Infantry employed in China</i>		—		44,500	
Ditto for the Force maintained at Labuan - - - -		7,500	7,500	7,500	52,000
FURLOUGH PAY:					
Pay of Officers on Furlough from India, and of Non-Commissioned Officers and Men invalided from Regiments on the Indian Establishment }		130,000	130,000	137,000	137,000
DEPÔT ESTABLISHMENTS:					
CAVALRY DEPÔT AT CANTERBURY:					
2	1	Commandant - - - - -	475	900	
1	1	Assistant Commandant (in addition to Half-pay)	178	178	
2	2	Majors - - - - -	723	703	
2	1	Captain Instructor of Musketry (in addition to } Regimental Pay) - - - - - }	71	142	
2	1	Adjutant - - - - -	175	487	
2	1	Paymaster - - - - -	411	776	
1	1	Superintendent, Riding Department - - -	183	183	
1	1	Riding Master - - - - -	183	183	
2	1	Quartermaster - - - - -	155	374	
2	1	Surgeon - - - - -	274	548	
2	1	Assistant Surgeons - - - - -	183	420	
2	1	Veterinary Surgeon - - - - -	274	648	
23	14	Non-Commissioned Officers - - - - -	661	1,094	
44	27				
Pay of Clerks - - - - -		256		438	
Incidental Expenses of Riding Schools - - - - -		100		174	
Travelling Expenses - - - - -		50		150	
Postage and Miscellaneous Expenses of the Offices - - - - -		30		277	
TOTAL CAVALRY DEPÔTS - - - - -		-	4,382	-	7,675
DEPÔT BATTALIONS:					
20	15	Lieutenant Colonels - - - - -	5,775	7,721	
27	18	Majors - - - - -	5,610	8,372	
1	1	Staff Captain - - - - -	394	394	
22	15	Adjutants - - - - -	4,199	6,161	
—	—	Captain Instructors of Mus- } ketry - - - - - }	1,065	1,562	
—	—	Assistant Instructors of Mus- } ketry - - - - - }	644	828	
22	15	Paymasters - - - - -	5,202	8,124	
22	15	Quartermasters - - - - -	2,382	3,323	
22	15	Surgeons - - - - -	4,763	7,591	
44	15	Assistant Surgeons - - - - -	3,366	8,851	
176	116	Non-Commissioned Officers - - - - -	5,730	8,207	
356	225				
Pay of Clerks - - - - -		5,297		7,264	
Allowance in lieu of Servants - - - - -		127		147	
Travelling Expenses - - - - -		169		317	
Postage and Miscellaneous Expenses of the Offices - - - - -		648		1,498	
Allowance to General Agent for Cashing Paymaster's Drafts - - -		1,194		1,692	
TOTAL DEPÔT BATTALIONS - - - - -		-	46,565	-	72,052
Carried forward - - - - £.		-	5,205,753	-	5,428,995

VOTE 1.—GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.																	
		£.	£.	£.	£.																
Brought forward - - -		-	5,205,753	-	5,428,995																
RECRUITING ESTABLISHMENTS AND SERVICES:																					
ESTABLISHMENTS :																					
<table><tr><th colspan="2">Numbers.</th></tr><tr><th>1864-65.</th><th>1865-66.</th></tr><tr><td>8</td><td>7</td></tr><tr><td>9</td><td>9</td></tr><tr><td>9</td><td>9</td></tr><tr><td>9</td><td>9</td></tr><tr><td>54</td><td>55</td></tr><tr><td>89</td><td>89</td></tr></table>		Numbers.		1864-65.	1865-66.	8	7	9	9	9	9	9	9	54	55	89	89				
Numbers.																					
1864-65.	1865-66.																				
8	7																				
9	9																				
9	9																				
9	9																				
54	55																				
89	89																				
Inspecting Field Officers - - - -		3,651		4,153																	
Allowance to Acting Inspecting Field Officers -		76		73																	
Adjutants - - - -		1,763		1,763																	
Paymasters - - - -		4,106		4,061																	
Surgeons - - - -		3,838		3,482																	
Non-commissioned Officers - - - -		2,862		2,826																	
Pay of Clerks - - - -		3,978		3,973																	
Allowance in lieu of Servants - - - -		495		441																	
Rent of Recruiting Offices - - - -		547		547																	
Travelling Expenses - - - -		143		40																	
Postage, and Miscellaneous Expenses of the Offices - - - -		461		365																	
TOTAL ESTABLISHMENTS - - - £.		21,920	-	21,724																	
Allowances and Expenses of Superintending Officers - - - -		2,780		2,227																	
Ditto to Staff Officers of Pensioners and Pensioners employed } upon Recruiting Services - - - - }		3,000		-																	
Levy Money for Recruits : British Establishment - - - - - £. Indian „ ditto - - - - -		26,100 10,700																			
		36,800		65,020																	
Medical Attendance on Recruiting Parties and Recruits - - - -		100		150																	
Marching and Travelling Allowances, and Cost of Conveyance of } Recruits, Escorts, &c. - - - - }		10,000		8,000																	
Special Bounty to Men re-engaging in the Colonies - - - -		4,000		4,000																	
Salary of General Agent for Recruiting Services, Allowance for } Clerks, Office Rent, &c. - - - - }		1,350		1,350																	
TOTAL SERVICES - - - £.		-	52,250	-	78,520																
HORSES:																					
VETERINARY STAFF:																					
<table><tr><th colspan="2">Numbers.</th></tr><tr><th>1864-65.</th><th>1865-66.</th></tr><tr><td>1</td><td>1</td></tr><tr><td>4</td><td>4</td></tr><tr><td>1</td><td>1</td></tr><tr><td>8</td><td>8</td></tr><tr><td>14</td><td>14</td></tr></table>		Numbers.		1864-65.	1865-66.	1	1	4	4	1	1	8	8	14	14						
Numbers.																					
1864-65.	1865-66.																				
1	1																				
4	4																				
1	1																				
8	8																				
14	14																				
Principal Veterinary Surgeon - - - -		639		613																	
Staff Veterinary Surgeons - - - -		1,606		1,606																	
Veterinary Surgeon attached to General Staff -		283		265																	
Acting Veterinary Surgeons - - - -		1,460		1,460																	
Pay of Clerks, &c. - - - -		123		123																	
Allowance in lieu of Servants - - - -		93		73																	
Travelling Expenses - - - -		22		70																	
Postage and Miscellaneous Expenses of the Offices - - - -		24		30																	
TOTAL VETERINARY STAFF - - - £.		-	4,250	-	4,240																
Cost of Horse Medicines, and for Payment of Claims of Private } Veterinary Surgeons - - - - }		700		1,000																	
Remount Allowance to Household Cavalry - - - -		3,360		3,360																	
Ditto - ditto, to Officers of the Cape Mounted Rifles - - - -		585		1,070																	
Purchase of Horses, Cavalry of the Line - - - -		10,590		15,200																	
Ditto - ditto, Royal Artillery - - - -		7,308		22,888																	
Ditto - ditto, Royal Engineers - - - -		642		-																	
Ditto - ditto, Cape Mounted Rifles - - - -		675		-																	
Ditto - ditto, Military Train - - - -		1,500		8,000																	
Ditto - ditto, Cavalry Depot, Canterbury - - - -		540		2,500																	
Expenses prior to joining - - - -		1,000		2,000																	
TOTAL - - - £.		-	26,900	-	56,018																
Carried forward - - - £.		-	5,316,853	-	5,591,724																

VOTE 1.—GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

Numbers.			ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
1864-65	1865-66.		£.	£.	£.	£.
		Brought forward - - -	-	5,316,853	-	5,591,724
		INSTRUCTION IN GUNNERY:				
		ESTABLISHMENT OF THE SCHOOL OF GUNNERY, SHOEBURYNNESS:				
1	1	Commandant - - -	415		415	
1	1	Chief Instructor - - -	260		260	
1	1	Brigade Major - - -	173		173	
4	4	Gunnery Instructors - - -	693		520	
1	1	Adjutant - - -	30		55	
1	1	Quartermaster - - -	143		143	
19	18	Non-Commissioned Officers, as Staff Serjeants, Clerks, Assistant Instructors, and Artificers - - -	1,302		1,341	
4	6	supernumerary Non-Commissioned Officers as ditto, employed at Woolwich - - -	421		325	
23	23	Gunners, as Storemen, Lobby-men, &c. - - -	753		748	
9	7	supernumerary Gunners as ditto, employed at Wool- wich - - -	214		235	
1	1	Civilian Artificer - - -	100		100	
		EXPERIMENTAL BRANCH:				
1	1	Assistant Superintendent of Ex- periments - - -	173		173	
1	1	Second Assistant ditto - - -	64		64	
7	7	Non-Commissioned Officers, as Clerks, and for Range and Laboratory Duties - - -	572		572	
16	17	Gunners, acting as Storemen, &c. - - -	472		440	
90	90					
		Allowance to Adjutant for Paying the Detachments - - -	73		73	
		Good Service Pay, Beer Money, &c. of Non-Commissioned Officers and Men	333		237	
		Forage Allowance of Commandant, Chief Instructor and Brigade Major	468		470	
		Allowance in aid of Mess - - -	200		-	
		Fees for Lectures on Professional Subjects - - -	100		-	
		Travelling and Miscellaneous Expenses - - -	267		267	
		TOTAL FOR INSTRUCTION IN GUNNERY - - -	-	7,926	-	6,611
		INSTRUCTION IN ENGINEERING:				
		ESTABLISHMENT AND INSTRUCTION IN FIELD WORKS, PUNTOONING, &c. AT CHATHAM:				
1	1	Director - - -	475		473	
1	1	Instructor in Field Works - - -	281		281	
1	1	Assistant - - ditto - - -	143		125	
1	1	Superintendent of Surveying and To- pographical Drawing - - -	237		292	
1	1	Assistant Instructor in Surveying, &c. - - -	201		146	
1	1	Superintending Officer of Discipline and Instruction - - -	281		281	
1	1	Superintendent of Schools, and In- structor in Photography and Elec- tric Telegraph - - -	201		201	
1	1	Superintendent of the Architectural Course - - -	490		436	
1	1	Clerk of Works and Instructor in Prac- tical Architecture - - -	380		370	
2	2	Clerks - - -	91		129	
14	15	Non-Commissioned Officers acting as Assistant In- structors in Photography, &c. - - -	1,139		1,139	
3	3	Men in charge of Tools, Stores, &c. - - -	148		137	
28	29					
		Special Grants to the above Officers and Non-Commissioned Officers, heretofore paid by the Indian Government; not to be continued to their Successors - - -	703		1,086	
		Allowance in lieu of Servants - - -	411		411	
		Allowance in lieu of Forage - - -	277		277	
		Contingent Expenses in connexion with the Course of Instruction in the Establishment - - -	250		250	
		Reconnoissance Allowance to 30 Lieutenants, at 2 <i>l.</i> each - - -	60		60	
		Travelling Allowances to Officers visiting Engineering Works - - -	527		527	
		Fees for Lectures on Professional Subjects - - -	180		180	
		Expenses of Chemical Laboratory, and Cost of Electric Telegraph and Photographic Instruments, &c. - - -	210		210	
		Materials and Labour for Field Works, &c., at Chatham - - -	6,116		6,116	
		MATERIALS and LABOUR for Field Works, &c., at Aldershot - - -	580		580	
		Ditto - - - ditto - - - Shorncliffe - - -	242		242	
		Ditto - - - ditto - - - Curragh - - -	400		400	
		Ditto - - - ditto - - - Other Stations - - -	180		180	
		Miscellaneous Photographic Services - - -	100		-	
		Miscellaneous Surveys - - -	100		-	
			1,602		-	1,402
		Carried forward - - -	-	5,338,482	-	5,612,864

* The Indian Government contributes a sum of 4,195*l.*, towards defraying the expenses of this establishment.

Vote 1.—GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*

Numbers.			ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
1864-65.	1865-66.		£.	£.	£.	£.
		Brought forward - - -	-	5,338,482	-	5,612,864
		INSTRUCTION IN MUSKETRY:				
		SUPERVISING STAFF:				
1	1	Commandant and Inspector General - { Unattached Pay }	692		692	
1	1	Deputy Assistant Adjutant General - { in addition }	385		385	
9	9	District Inspectors of Musketry - - -	3,463		3,463	
-	-	Temporary - ditto - - { In addition to Re- }	173		173	
3	3	Clerks - - - { gimental Pay }	164		161	
		SCHOOLS at HYTHE and FLEETWOOD:				
1	1	Commandant and Chief Instruc- { Half Pay in addi- }	415		415	
1	1	tor at Fleetwood - - { tion }	552		552	
4	4	Chief Instructor at Hythe - - -	1,539		1,612	
4	4	Captain Instructors - - -	894		821	
2	1	Lieutenants Assistant Instructors - - -	319		639	
2	2	Paymaster - - -	183		183	
2	2	Surgeons - - - (Half Pay in addition)	365		365	
1	1	Quartermasters and Adjutants - - -	120		120	
55	55	Civilian Armourer - - -	3,178		3,096	
38	38	Non-Commissioned Officers acting as Instructors, } Clerks, &c. - - - }	995		937	
124	123	Rank and File for Range Duties - - -				
		Good Service Pay to Serjeants of Schools of Musketry, Good Conduct } Pay of Privates and Beer Money - - - }	150		250	
		Allowance to Captains for paying Detachments - - -	73		-	
		Allowance in lieu of Servants - - -	574		365	
		Allowance in lieu of Lodgings - - -	1,146		1,035	
		Allowance in aid of Mess - - -	500		-	
		Travelling Expenses - - -	400		400	
		Postage and Miscellaneous Expenses - - -	65		65	
				16,345		15,729
		Good Shooting Pay - - -	-	10,000	-	12,000
		MISCELLANEOUS:				
		Allowances to Quartermasters - - -	5,000		-	
		Charge for Military Savings Banks, including the Extra Pay of Non- } Commissioned Officers, acting as Savings Bank Clerks - - }	1,900		1,900	
		Allowance to Acting Staff of Detachments - - -	5,000		7,600	
		Outfit Allowance to Non-Commissioned Officers who obtain Commissions - - -	3,500		3,000	
		Allowance to Discharged Soldiers and their Families to take them } Home, and Temporary Allowances to Widows and Children of } deceased Soldiers - - - }	17,000		18,000	
		Gratuities to Soldiers Discharged by indulgence and as Rewards for } Meritorious Conduct - - - }	8,000		7,140	
		Pay and Allowance to Non-Commissioned Officers employed as Clerks } in the District Offices of the Royal Artillery and Royal Engineers, } and Pay of Civilian and Military Clerks employed by the Paymasters } of Royal Artillery and Royal Engineers - - - }	4,440		5,655	
		Pay of Director of Gymnastics, and Serjeant Instructors in Gymnastics } and Fencing - - - }	1,900		1,435	
		Allowances to Non-Commissioned Officers and Men employed as Cooks - - -	1,400		1,460	
		Working Pay of Non-Commissioned Officers and Men employed as Fire } Brigade, Musketry Warders, on Works in the Field, and various Staff } and Regimental Duties - - - }	2,000		3,700	
		Falkland Islands Company: Expenses prior to Disbandment - - -	-		500	
		Pay of Military Labourers in Tropical Stations - - -	6,500		4,400	
		Travelling Expenses of Regimental Officers (without Routes), and Per- } sonal Allowance in the Colonies - - - }	9,000		7,000	
		Cemetery Charges - - -	100		100	
		Miscellaneous and Unforeseen Charges of a Regimental Nature - - -	4,000		6,500	
				69,740		68,390
		TOTAL - - - £.	5,434,567			5,708,983

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 1) - - - £. 5,434,567

Vote 2.

COMMISSARIAT ESTABLISHMENT, SERVICES, AND MOVEMENT OF TROOPS.

					ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
					£.	£.	£.	£.
COMMISSARY GENERAL IN CHIEF - - - -					{ Pay provided as a Com- missary General.			

In addition to the duty of supplying provisions, forage, fuel and light, and transport, with the necessary Cash and Store Accounts, the Commissariat perform the following duties in the Colonies :

Raise and disburse all funds for Imperial purposes.

Make contracts and purchases for every branch of the Imperial Service.

Act as agents for the Navy in the absence of Naval Officers.

Carry on financial and store duties for the Convict Service, and at some stations have charge of Barracks and Military stores.

At home the duties are confined more to those peculiarly Commissariat.

* The pay of the Commissariat Staff in Western Australia is provided for in the Civil Estimates.

† In addition to this amount, the sum of 20,175 l. is provided in Votes 1 and 3 for the Pay and Clothing of the Commissariat Staff Corps.

Vote 2. —COMMISSARIAT ESTABLISHMENT, SERVICES, AND MOVEMENT OF TROOPS—*continued.*

COMMISSARIAT SUPPLIES AND SERVICES— <i>continued.</i>	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	- - -	540,411†	- - -	638,722
Cost of Forage supplied in kind, and Allowance in lieu thereof:				
£.				
At Home - - - - -	300,000			
In the Colonies - - - - -	106,898			
	406,898		476,527	
Pay of Commissariat Artificers, Labourers, and others; and working Pay to the Non-commissioned Officers and Men of the Commissariat Staff Corps - - - - -	16,658		18,259	
Miscellaneous: £.				
For the Purchase and Repair of Commissariat Implements, &c. - - - - -	6,000			
Rents, Taxes, and supply of Water to Offices and Buildings used for Commissariat purposes - - -	—			
Incidental expenses connected with Abattoirs and Bakeries - - - - -	200			
	6,200		6,200	
TOTAL COMMISSARIAT SUPPLIES AND SERVICES - - -		429,756		500,986
CONSOLIDATED ALLOWANCES:				
Consolidated Allowances to the Officers at - - -				
{ Ceylon - - -	29,250 *			
{ China - - -	40,000 †			
{ Mauritius - - -	21,000 *			
		90,250		
MOVEMENT OF TROOPS AT HOME.				
Railway and other Expenses (including Marching Allowance to Officers) for Troops moved from one Station to another on Regi- mental Routes, including Boats' Crews - - - - -	55,000		70,000	
COMMISSARIAT TRANSPORT IN THE COLONIES.				
Expenses of the Commissariat Transport Establishments, including the Pay of Drivers, Purchase of Horses, and other Charges, and the Cost of Hired Transport, and Special Allowance at the Cape and Natal -	90,383		109,339	
TOTAL MOVEMENT OF TROOPS AND COMMISSARIAT TRANSPORT - - - - -	£.	145,383		179,339
TOTAL - - - - -	£.	1,205,800		1,319,047

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 2) - - £. 1,205,800.

* The allowances at these Stations have hitherto been paid out of Colonial Funds; the Colonies now grant an increased amount to the Imperial Government in aid of the Military Expenditure, and the allowances are paid by this Department, the increased contribution being paid into the Exchequer as an extra receipt.

† Provision was made in the Estimates for 1864-65 for the allowances at Indian rates in the several Votes under the head of "Pay;" the allowances now substituted for those on the Indian scale are for 1865-66 included in this Vote for all branches of the service.

Vote 3.

CLOTHING ESTABLISHMENTS, SERVICES, AND SUPPLIES.

NUMBERS.				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
1864-5.	1865-6.			£.	£.	£.	£.
		DIRECTOR OF CLOTHING - - - - -					
		* ESTABLISHMENTS:					
		FACTORY,—PIMLICO.					
1	1	Superintendent - - - - -		500		500	
1	1	Assistant Superintendent	{ Regimental Pay - 143 - -	323		313	
5	5	Clerks and Writers - - - - -	{ Extra Pay - - 180 - -	339		339	
		FACTORY,—WOOLWICH.					
1	1	Assistant Superintendent	{ Regimental Pay - 173 - -	273		100	
7	7	Clerks and Writers - - - - -	{ Extra Pay - - 100 - -	178	1,613	178	1,430
		INSPECTION DEPARTMENT:					
1†	1	Inspector of Clothing - - - - -		500		500	
1†	1	Assistant Inspector of Clothing - - - - -		350		330	
1	1	Ditto - ditto - - - - -		460		460	
2	4	Sub-Inspectors - - - - -		1,000		950	
3	3	Clerks and Writers - - - - -		302		302	
		Wages - - - - -		8,106		8,106	
		STORE DEPARTMENT:			10,718		10,648
1	1	Storekeeper - - - - -		500		500	
1	1	Issuing Officer - - - - -		370		360	
1	1	Receipt and Provision Officer - - - - -		210		200	
1	1	Shipping Officer - - - - -		190		164	
2	4	Storeholders - - - - -		551		290	
16	18	Clerks and Writers - - - - -		1,461		1,315	
		Wages - - - - -		7,403		6,766	
		ACCOUNT DEPARTMENT:			10,685		9,595
1	1	Accountant - - - - -		500		500	
1	1	Contract and Ledger Officer - - - - -		210		200	
		Clerks and Writers, &c. - - - - -		1,802		1,511	
		BUILDINGS:			2,512		2,211
		PIMLICO { New Works, Additions, &c., amounting to less		1,550		3,905	
		than 1,000 <i>l.</i> each - - - - -					
		Ordinary and Current Repairs - - - - -		560		645	
		WOOLWICH { New Works, Additions, &c., amounting to less		100		300	
		than 1,000 <i>l.</i> each - - - - -					
		Ordinary and Current Repairs - - - - -		210		150	
		MACHINERY:			2,420		5,000
		Purchase and Repair of Machinery—					
		Factory - - - - -		222			
		Inspection Department - - - - -		1,628		500	
		MISCELLANEOUS:			1,850		500
		Police - - - - -		900		900	
		Rents, Rates and Taxes, and Insurance of Buildings - - - - -		3,265		3,26	
		Fuel and Light - - - - -		2,000		1,200	
		Travelling - - - - -		220		220	
		Office Furniture and Contingencies - - - - -		347		375	
					6,732		5,960
		Carried forward - - - £.		-	36,530		35,344

* These establishments also provide for the following additional services not defrayed out of Army funds:—

1. The clothing for the European troops in India.
2. The clothing for the Royal Marines.
3. The clothing for Convict services.
4. The clothing for the Irish constabulary.
5. Clothing materials to Volunteers on repayment.

6. Necessaries to the Militia on repayment.
7. The receipt, inspection, and issue of all clothing for the Metropolitan Police of London and Dublin, General Post Office, and Custom House.

The Government of India contributes 3*l.* per cent. upon the value of the clothing issued to India to cover establishment expenses. This amount is paid into the Exchequer as extra receipts. It also repays all charges connected with packing the clothing for shipment.

A sum, amounting to about 3,500*l.*, is annually received for the sale of cuttings of cloth, which is also paid into the Exchequer as an extra receipt.

The Volunteers are charged 5*l.* per cent. in addition to the contract price of the clothing materials, to cover all establishment expenses and inland freight.

† These officers receive the half pay of their rank in addition to their salaries.

Vote 3.—CLOTHING ESTABLISHMENTS, SERVICES, AND SUPPLIES—*continued.*

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	-	36,530	-	35,344
SUPPLIES AND FACTORY CHARGES.				
Materials to be obtained by Contract for making Clothing, Great Coats, Chacos, &c., at the Clothing Factories and at the Regiments - - - - -	224,226		-	-
PIMLICO:				
Wages of Foremen, Viewers, Cutters, and others employed at Clothing Factory, Pimlico - - - - -	10,000		-	-
Amount to be paid to Workpeople employed at Piece-work Rates, inside and outside the Factory, Pimlico, in making Clothing, defrayable out of this Vote - - - - -	22,552		-	-
WOOLWICH:				
Extra Pay of Non-Commissioned Officers and Privates, Wages of Foremen, Viewers, and others employed at the Clothing Factory, Woolwich - - - - -	1,000		-	-
Amount to be paid to Workpeople employed at Piece-work Rates, inside and outside the Factory, Woolwich, in making Clothing, defrayable out of this Vote - - - - -	8,302		-	-
Cost of manufactured Supplies to be obtained by Contract, viz.:—				
Tunics - - - - - £.	44,783			
Boots and Shoes - - - - -	124,557			
Head Dresses - - - - -	13,805			
Gloves - - - - -	4,195			
Leggings - - - - -	-			
Necessaries - - - - - £.	155,676			
Deduct value of Necessaries issued on Repayment - - -	120,000			
	35,676			
	223,016		-	-
Cost of making-up and fitting Clothing at the Regiments, including Allowance to Master Tailors - - - - -	17,072		-	-
Amounts to be paid to Soldiers as Compensation in lieu of Clothing and Kits - - - - -	4,000		-	-
Amounts to be paid in lieu of Clothing and other Articles to—				
Life Guards, 8l. 15s. 3d. per Non-Commissioned Officer and Man, for 814 Men - - -	£. 7,132	s. 13	d. 6	
Horse Guards, 8l. 4s. per Non-Commissioned Officer and Man, for 407 Men - - -	3,337	8	-	
	10,470			
		520,638	-	-
Allowance to Troops in British North America for Extra Clothing	6,150		-	-
Regimental Colours - - - - -	438		-	-
Materials for Packing - - - - -	2,000		-	-
Freight (Coastwise) and Carriage of Clothing - - - - -	7,000		-	-
Implements and Miscellaneous Supplies, &c. - - - - -	1,500	17,088	-	-
TOTAL - - - - - £.	-	574,256	-	596,694

(* For further explanation, see Appendix, No. 5, page 134.)

TOTAL ESTIMATE FOR 1865-66 (VOTE 3) - - - £. 574,256

Vote 4.

BARRACK ESTABLISHMENT, SERVICES, AND SUPPLIES.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
SUPERINTENDENT OF THE BARRACK DEPARTMENT -		-	-	Pay provided in Vote 18.	
NUMBERS.					
1864-65.	1865-66.	ESTABLISHMENT:*			
10	10	Barrack Masters, 1st class - - - -	4,525	3,995	
11	11	Ditto - 2d class - - - -	3,628	3,340	
25	26	Ditto - 3d class - - - -	6,388	5,733	
26	20	Ditto - 4th class - - - -	3,424	4,312	
4	4	Acting Barrack Masters - - - -	274	730	
11	23	Barrack Clerks - - - -	2,767	1,345	
434	430	Barrack Serjeants, from 6 d. to 5 s. a day -	16,600	16,925	
521	525†				
Allowance to Barrack Masters employed in War Office - - -		300			
Allowance to Officers of the Military Store Staff, for performing Barrack duties - - - - -		50		50	
Allowance to Gas Inspector - - - - -		100		100	
Office Expenses - - - - -		900		931	
Allowance in lieu of Servants - - - - -		629		609	
Travelling Expenses - - - - -		1,900		2,000	
TOTAL ESTABLISHMENT - - -		-	41,485	-	40,070
Salaries and Wages:					
Pay to the Ranger of the Curragh, 17 s. 6 d. a day‡ - - -		320†		320	
Caretakers at the Curragh - - - - -		245		245	
Labour employed in the Barrack Department - - - -		8,835		{ 4,160 5,070	
Clothing for Barrack Serjeants and Labourers - - - -		-	9,400 2,000	Provided in Vote 3.	9,795
Carried forward - - - £.			52,885	-	49,865

* The Establishment is in course of re-construction, but the arrangements are not sufficiently advanced to enable them to be detailed in this year's Estimates; it provides for Clerical Establishment in the War Office.
† Eleven officers perform Military Store duties as well as Barrack duties.
‡ This officer also receives a salary of 350 £. as Ranger of the Curragh, paid by the Office of Woods.

Vote 4.—BARRACK ESTABLISHMENT, SUPPLIES, AND SERVICES—*continued.*

					ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
					£.	£.	£.	£.
Brought forward - - -					-	52,885	-	49,865
SERVICES AND SUPPLIES:								
Purchase and Repair of Furniture Bedding and Utensils, &c., for								
Barracks - - - - -					74,000	-		
Maps and Prints for Recreation-rooms - - - - -					500		77,400	
Washing and repairing Barrack Bedding - - - - -					28,000		29,000	
Purchase of Paillasse Straw - - - - -					15,500		16,000	
Miscellaneous:								
Emptying Cesspools - - - - -				£.				
Sweeping Chimneys - - - - -				11,700				
Lime for Sanitary Purposes - - - - -				5,900				
Carriage of Barrack Stores at Out-stations - - - - -				1,400				
Contingent and unforeseen Expenses - - - - -				2,800				
				1,200				
					23,000		24,700	
						141,000		147,100
FUEL AND LIGHT:								
Cost of Fuel and Light, and Allowances in lieu thereof:*								
General Staff - - - - -					7,000			
Regimental and Miscellaneous - - - - -					222,000			
Commissariat - - - - -					7,000			
Barrack - - - - -					3,300			
Chaplains - - - - -					1,200			
Prisons - - - - -					4,000			
Military Store - - - - -					3,500			
Engineer Staff - - - - -					2,000			
						250,000	262,000	262,000
LODGING MONEY:								
Allowances in lieu of Quarters: †								
General Staff - - - - -					13,400			
Regimental and Miscellaneous - - - - -					33,200			
Commissariat - - - - -					11,000			
Barrack - - - - -					2,500		75,200	
Chaplains - - - - -					3,400		2,000	
Prisons - - - - -					2,000		14,000	
Military Store - - - - -					5,000			
Engineer Civil Staff - - - - -					4,500			
Medical - - - - -					9,300			
Purveyors - - - - -					2,700			
						87,000		91,200
HIRE OF BARRACKS, QUARTERS, &c.:								
Rents, Water Supply, Rates and Taxes of Barracks, Quarters, Rifle Ranges, &c.:								
Regimental and General Purposes - - - - -					65,000			
Commissariat - - - - -					6,000		42,000	
Military Store - - - - -					7,200		19,000	
Engineer Offices - - - - -					800			
						79,000 ‡		61,000
TOTAL - - - - -				£.		609,885		611,165
ADD ‡								20,037
							£.	631,202

(Less than Estimate for 1864-65 (Vote 4) - - - £. 21,317)

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 4) - - - £. 609,900

* The cost of Fuel and Light for the Clothing Establishments, Hospitals, Manufacturing Departments, and the Establishments for Military Education is provided in the respective Votes.

† The allowance in lieu of Quarters for the School of Musketry, the Clothing and Manufacturing Establishments, the Volunteer Staff, the Establishments for Military Education, and the Staff at the Horse Guards, is provided in the respective Votes.

‡ For Rent of Commissariat, Store and Engineer Premises previously provided for in their respective Votes, 14,000 l.; Rents, &c. for Ceylon, 1,500 l.; for Clerical Establishment, War Office, hitherto provided for under Vote 18, 2,537 l.; and for clothing of Barrack Serjeants and Labourers, 2,000 l..

Vote 5.

DIVINE SERVICE.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
CHAPLAIN GENERAL - - - - -		-	-	Pay provided in Vote 18.	
NUMBERS.		COMMISSIONED CHAPLAINS TO THE FORCES :			
1864-65.	1865-66.				
2	3*	Chaplains, 1st Class - - - - -	1,187	776	
14	12†	- Ditto, 2d Class - - - - -	3,653	4,344	
5	4	- Ditto, appointed under the Warrant of 1847 - - - - -	1,168	1,911	
5	12	- Ditto, 3d Class - - - - -	3,425	1,500	
62	56	- Ditto, 4th Class - - - - -	11,984	12,882	
88	87				
Chapel Clerks, Orderlies, and others - - - - -		636		674	
Allowance in lieu of Servants - - - - -		1,814		1,769	
Travelling Expenses - - - - -		584		550	
Contingencies - - - - -		300		233	
TOTAL for Commissioned Chaplains - - -		-	24,751	-	24,639
OFFICIATING CLERGYMEN :					
Allowance to Officiating Clergymen for performing Divine Service to the Troops:					
At HOME - - - - -		12,625		12,133	
In the COLONIES - - - - -		6,518		8,166	
			19,143		20,299
RENT of BUILDINGS hired for the Performance of Divine Service, and payments for accommodation in Parochial and other Churches - }		441		495	
			441		495
TOTAL - - - £.			44,335	-	45,433

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 5) - - - £. 44,335

* The Royal Warrant which regulates the Establishment of Commissioned Chaplains grants promotion from one class to another for length of service, which causes the number in each class to vary from year to year.

† One Chaplain of the 2d Class is provided for on the Establishment of the Royal Military Asylum, Chelsea, in Vote 15.

Vote 6.

ADMINISTRATION OF MARTIAL LAW.

DEPARTMENT OF THE JUDGE ADVOCATE GENERAL:		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Judge Advocate General	- - - - -	2,000		2,000	
Deputy Judge Advocate General	- - - - -	1,200		1,200	
3 Acting Deputy Judge Advocates, at 14s. 3d. a day each	- - - - -	780			
Clerks, 1 at 560 l.; 1 at 220 l., and 1 at 110 l.	- - - - -	890		850	
Pay of Housekeeper, Messenger, and Contingent Expenses of the Office	- - - - -	220		220	
Servants' Allowance	- - - - -	55			
Travelling Expenses	- - - - -	300	5,445		4,270
ESTABLISHMENT OF MILITARY PRISONS.					
Inspector	- - - - -	300		300	
NUMBERS.					
1864-65.	1865-66.				
10	10	Governors	3,605	3,300	
12	14	Chaplains and Officiating Chaplains	1,401	1,358	
9	9	Medical Officers	821	1,034	
20	19	Chief Warders	2,184	2,207	
22	51	Senior Warders	3,757	1,523	
143	197	Warders, Messengers and others	9,298	8,120	
216	300				
Pay of Temporary Warders	- - - - -	1,402		4,757	
Travelling Expenses	- - - - -	230		300	
Rent, &c., of Military Prisons	- - - - -	288		350	
Contingent and Miscellaneous Charges	- - - - -	784		830	
TOTAL ESTABLISHMENT		24,070		24,079	
Allowance to Acting Judge Advocates, and to Members and Witnesses at Courts Martial (including Travelling Expenses)	- - - - -	2,485		3,000	
Expenses, on Routes, of Deserters and their Escorts	- £. 3,000				
Rewards paid in connexion with the Apprehension of Deserters	- - - - - 4,000	7,000		6,000	
Subsistence of Men in Military Prisons	- - - - - £. 14,000				
Ditto in Civil Gaols and Barrack Cells	- - - - - 13,000	27,000		26,000	
Charge for escorting Prisoners to and from Civil and Military Prisons	- - - - -	7,500		8,000	
Allowance to Provost Serjeants in Garrison and Barrack Cells	- - - - - £. 4,000				
Ditto to Military Police in Garrisons and Camps	- - - - - 3,000	7,000		6,700	
Clothing and Necessaries for Military Prisoners, &c.	- - - - -	8,000		3,000	
Stores for Military Prisons	- - - - -	2,800		500	
Deduct,—					
Unissued Pay of Soldiers confined in Military Prisons, Civil Gaols, and Barrack Cells	- - - - -	85,855		77,279	
		65,000		41,000	
			20,855		36,279
TOTAL		£. 26,300			40,549

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 6) - - - £. 26,300

Vote 7.

MEDICAL ESTABLISHMENTS, SERVICES, AND SUPPLIES.

DIRECTOR GENERAL OF THE ARMY MEDICAL DEPARTMENT

NUMBERS.		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
1864-65.	1865-66.	£.	£.	£.	£.
		-	-	Pay provided in Vote 18.	
MEDICAL STAFF:					
6	6	Inspectors General - - - - -	4,926	5,018	
23	22	Deputy Inspectors General - - - - -	13,383	14,653	
28	19	Staff Surgeons Major - - - - -	8,099	11,461	
40	46	Staff Surgeons - - - - -	13,476	12,819	
178	194	Staff Assistant Surgeons - - - - -	38,566	39,097	
4	5	Apothecaries - - - - -	1,095	876	
13	12	Dispensers - - - - -	1,952	2,020	
292	304				
Clerks and others - - - - -		1,654		1,730	
Office Expenses - - - - -		314		269	
Allowance in lieu of Servants - - - - -		5,367		6,017	
Travelling Expenses - - - - -		1,400		2,500	
TOTAL for MEDICAL STAFF - - - £.		-	90,232		96,460
GENERAL HOSPITALS:					
NETLEY:					
1		Governor and Commandant - - - - - (In addition to Half-pay)	600	600	
1		Staff Captain and Assistant Commandant - - - - -	300	248	
1		Captain of Orderlies - - - - -	119	119	
1		Paymaster - - - - -	456	456	
1		Superintendent General of Nurses - - - - -			
		Clerks, Non-Commissioned Officers, &c. - - - - -	1,075	1,281	
		Wages, Clothing, and Mess Allowances of Female Nurses - - - - -	300	300	
		Contingent Allowances, &c., to Staff Captain - - - - -	73	128	
		Servants' Allowance - - - - -	73	55	
		Contingencies - - - - -	120	120	
		Travelling Expenses - - - - -	400	400	
		Allowances, &c. to Wives and Children of Soldiers in Hospital at Netley - - - - -	150		
WOOLWICH:					
1		Acting Governor - - - - - { In addition to } Regimental Pay	200	200	
1		Captain of Orderlies - - - - -	119	119	
		Wages, Clothing, and Mess Allowances of Female Nurses - - - - -	300		
		Clerks - - - - -	90	37	
TOTAL for GENERAL HOSPITALS - - - £.		-	4,375		4,063
TREATMENT OF LUNATICS:					
Total Charge for the Care and Maintenance of Lunatic Officers, Non-commissioned Officers and Men - - - - -		11,600			
Deduct the Amount of Half-pay for Officers, and Pension of Non-commissioned Officers and Men - - - - -		7,100			
TOTAL TREATMENT OF LUNATICS - - - £.		-	4,500		4,900
MEDICINES, &c.:					
Cost of Medicines, Surgical Instruments, and Carriage thereof - - - - -		18,550		21,600	
Allowance to Private Medical Practitioners, and Medical Bills - - - - -		3,500		3,500	
Cost of Meteorological Instruments - - - - -		200		300	
Allowance to Compounders of Medicines - - - - -		3,000		3,350	
TOTAL for MEDICINES - - - £.		-	25,250	-	28,750
TOTAL, MEDICAL DEPARTMENT - - - £.		-	124,357	-	134,173
Carried forward - - - £.		-	124,357	-	134,173

Vote 7.—MEDICAL ESTABLISHMENTS SUPPLIES AND SERVICES—continued.

					ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
					£.	£.	£.	£.
Brought forward - - -					-	124,357	-	134,173
PURVEYING:								
PURVEYOR IN CHIEF - - - - -					-		Pay provided in Vote 18.	
NUMBERS.								
1864-65.	1865-66.	PURVEYING STAFF: †						
10	10	Principal Purveyors	-	-	3,695.		3,696	
20	20	Purveyors	-	-	5,248		5,488	
30	30	Deputy Purveyors	-	-	6,096		6,018	
26	25	Purveyors' Clerks	-	-	3,448		3,747	
86	85							
Temporary Clerks and others - - - - -					1,500		1,678	
Office Expenses - - - - -					500		600	
Allowance in lieu of Servants - - - - -					1,800		1,816	
Travelling Expenses - - - - -					650		700	
TOTAL PURVEYING STAFF - - - £.					-	22,937	-	23,743
DIETS AND MEDICAL COMFORTS:								
Diets, &c. for Officers and Soldiers - - - £. 126,000								
Deduct Stoppages - - - - - 88,000								
					38,000		38,800	
Diets, &c. for Women and Children - - - - -					3,500		3,500	
Diets, &c. for Hospital Orderlies, Nurses and others - - - - -					10,000		10,000	
TOTAL DIETS and MEDICAL COMFORTS - - - £.					-	51,500	-	52,300
Wages:								
Extra Pay to Non-commissioned Officers and Men of the Army Hospital Corps, acting as Orderlies, Cooks, &c. - - - - - £. 2,500*								
Miscellaneous Labour - - - - - 500								
					3,000		3,000	
Purchase and Repair of Hospital Stores, and the Purchase of Hospital Bedding and Clothing - - - - -					7,000		8,000	
Washing and Repair of Hospital Bedding and Clothing, Personal Linen, &c. - - - - -					10,000		10,000	
Rent, Taxes, and Supply of Water to Hospitals, Medical and Purveyors' Stores, Offices, &c. - - - - -					3,250		3,500	
Fuel and Light supplied to ditto - - - - -					20,000		22,000	
Miscellaneous:								
Purchase of Lime, Soap, Soda, &c. - - - £. 2,750								
Sweeping Chimneys - - - - - 750								
Emptying Cesspools, &c. - - - - - 750								
Contingent and Unforeseen Expenses - - - - - 250								
					4,500		5,500	
						47,750		52,000
TOTAL PURVEYING DEPARTMENT - - - £.					-	122,187	-	128,043
TOTAL - - - £.						246,544		262,216

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 7) - - - £. 246,544.

* In addition to this amount, the sum of £. 31,064 is provided in Votes 1 and 3 for the Pay and Clothing of the Army Hospital Corps.
† This includes the sum of 1,200*l.* for Clerical Establishment at the War Office.

PART II.

AUXILIARY FORCES.

	Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£.
Vote 8. DISEMBODIED MILITIA - -	30	786,400	783,783
Vote 9. YEOMANRY - - - -	33	91,000	87,086
Vote 10. VOLUNTEERS - - - -	34	334,900	328,260
Vote 11. ENROLLED PENSIONERS AND ARMY RESERVE FORCE -	36	46,000	49,580
TOTAL - - - £.		1,258,300	1,248,709

Vote 8.

DISEMBODIED MILITIA.

ESTIMATE OF THE CHARGE FOR EFFECTIVE SERVICES.

EFFECTIVE SERVICES.				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
INSPECTING STAFF:				£.	£.	£.	£.
2	Inspectors General of Militia, each 19 s. a day	-	-	694		694	
	Allowance in lieu of Servants	-	-	37		37	
	Allowance in lieu of Forage	-	-	256		256	
	Allowance in lieu of Lodgings	-	-	200		200	
	Pay of Clerks in the Militia Office in Ireland	-	-	228		228	
	Pay of Messenger, Housekeeper, and the Contingent Expenses of the Office in Ireland	-	-	70		70	
	Travelling Expenses of Inspectors	-	-	200		-	
TOTAL for INSPECTING STAFF - - - £.				-	1,685	-	1,485
NUMBERS.		PERMANENT STAFF:					
1864-65.	1865-66.	Pay and Allowances:					
			£.				
160	160	Adjutants, at 10 s. a day	-	29,200			
			s. d.				
129	129	Quartermasters - at 5 - a day	-	11,771			
1	1	Ditto - - - " 3 6 "	-	64			
32	32	Serjeants Major, } Royal Artillery }	" 3 6 "	2,044			
129	129	Ditto, Infantry	" 3 - "	7,063			
30	30	Quartermaster Ser- } jeants, Royal }	" 2 10 "	1,551			
		Artillery - - - }					
129	129	Ditto Infantry -	" 2 6 "	5,885			
433	433	Serjeants, Artillery	" 2 6 "	19,755			
2,798	2,798	Ditto Infantry -	" 1 10 "	93,616			
149	149	Drummers, Artillery	" 1 3 "	3,400			
1,080	1,080	Ditto Infantry -	" 1 1 "	21,353			
5,070	5,070			195,702			
		Deduct for Absentees and } Vacancies - - - }	-	6,702			
				189,000		193,702	
		Contingent Allowance to Adjutants at 3 <i>l.</i> per Company	-	3,666		3,666	
		Forage Allowance to ditto	-	5,800		5,800	
		Servants' Allowance to ditto	-	2,800		2,800	
		Allowance in lieu of Lodgings, and Fuel and Light, and Rent of } Quarters for the Permanent Staff - - - }	-	30,000		32,900	
		Medical Attendance on the Permanent Staff and their Families	-	6,800		6,800	
		Allowance to form a Contingent Fund at rates from 6 <i>d.</i> to 2 <i>s.</i> per } Annum for each Private borne on the Establishment - - - }	-	3,200		3,200	
		Cost of Clothing and Necessaries for the Permanent Staff	-	12,400		12,400	
		Repairs of Barracks, and of Quarters for Permanent Staff	-	1,250		50	
		Allowance to Quartermaster for keeping Arms	-	1,800		-	
		Allowance to Serjeant Instructors of Musketry, and the Pay of } Fatigue Men - - - - - }	-	400		400	
		Allowance to Librarians	-	400		-	
		Allowance to Clerks of Lieutenancy	-	4,500		4,500	
				262,016		266,218	
TOTAL for PERMANENT STAFF - - - £.				-	-	-	266,218
Carried forward - - - £.				263,701		-	267,703

Vote 8.—DISEMBODIED MILITIA—continued.

EFFECTIVE SERVICES—continued.		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward - - -		-	263,701	-	267,703
PRELIMINARY DRILL OF RECRUITS, AND ANNUAL TRAINING:					
NUMBERS.		Pay of Officers, Non-Commissioned Officers, and Privates called up for 7 days Prelimi- nary Drill, prior to the Annual Training:			
1864-65.	1865-66.				
160	160	Lieutenants - - at 6 6 a day		364	
160	160	Surgeons - - - „ 11 4 „ -		635	
16,111	7,350	Privates, Infantry „ 1 - „ -		2,573	
2,359	1,867	Ditto Artillery „ 1 2 „ -		762	
18,790	9,537			4,334	15,202
NUMBERS.		Pay of Officers, Non-Commissioned Officers, and Privates called up for 27 days Annual Training:			
1864-65.	1865-66.				
46	46	Colonels - - - at 1 2 6 a day		1,397	
157	157	Lieut.-Colonels „ - 15 11 „ -		3,374	
232	232	Majors - - - „ - 14 1 „ -		4,411	
1,229	1,229	Captains - - „ - 10 6 „ -		17,421	
1,553	1,553	Lieutenants - „ - 6 6 „ -		13,628	
162	162	Surgeons - - „ - 11 4 „ -		2,479	
128	128	Assistant Surgeons - 7 6 „ -		1,296	
1,336	1,336	Serjeants, Infantry - 1 6 3 4 „ -		2,818	
166	166	Ditto Artillery - 2 6 „ -		560	
3,496	3,496	Corporals, Infantry - 1 2 1 4 „ -		5,605	
464	464	Ditto Artillery - 1 4 1 4 „ -		835	
106,009	106,009	Privates, Infantry - 1 - „ -		143,112	
13,991	13991	Ditto Artillery - 1 2 „ -		22,039	
128,969	128,969			£. 218,975	
		Deduct for Vacant Pay of Officers, Non-Commissioned Officers, and Men not En- rolled or Absent. - - -		57,975	
				161,000	128,000
Allowance to Commanding Officers - - - - -				540	420
Contingent Allowance to Captains - - - - -				3,000	2,300
Allowance to Adjutants as Acting Paymasters - - - - -				2,000	800
Allowance to Quartermasters during Preliminary Drill and Training -				400	350
Mess Allowance to Officers of 1 s. a day each, - - - - -				3,500	2,600
Allowance in lieu of Forage to Field Officers and Surgeons - -				1,600	1,040
Allowance to Volunteer Non-commissioned Officers assembled at Head Quarters for Instruction prior to the Annual Training - - - }				5,000	1,000
Beer Money to Non-Commissioned Officers and Men - - - -				11,000	10,000
Carried forward - - - £.		192,374	263,701	161,712	£67,703

Vote 8.—DISEMBODIED MILITIA—*continued.*

EFFECTIVE SERVICES— <i>continued.</i>	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	192,374	263,701	161,712	267,703
ENROLMENT:				
Allowance to and Expenses of Adjutants, Surgeons, and Non-Commissioned Officers employed on the duty of Enrolling Volunteers, including the Hire of Rooms for Enrolment - - - - -	8,000		10,000	
Bounty: On Enrolment and Attestation of Volunteers who may be enrolled in 1865-66, and on Enrolment and Attestation of the probable number of Volunteers, whose engagements expire previously to 31st March 1866, and who are expected to re-engage for a second term of service within the year 1865-66 - - - - -	14,400		31,000	
Balance of Bounty remaining due to Volunteers whose Engagements expire after payment of Training Bounty for the year 1865-66 - - -	15,600		13,800	
Bounty payable at the termination of Training and Exercise - - -	92,350		93,000	
Gratuity payable at the termination of the Training for re-enrolled Volunteers, at 10s. each - - - - -	6,500		13,000	
PROVISIONS:				
Gross Cost of Provisions - - - - - £. 58,894				
Deduct stoppages from the Pay of the Men - - - - - 51,894				
	7,000		5,868	
BARRACK EXPENSES, LODGING MONEY, &c.:				
Billet Money to Innkeepers at 4d. a day for Non-Commissioned Officers and Men - - - - -	35,000		37,000	
Barrack Services, including Stores, Fuel, Wages and Miscellaneous Charges - - - - -	4,000		4,000	
HOSPITAL EXPENSES:				
Allowance to the Surgeons for Medicines and Attendance - - -	1,100		1,100	
Expense of Hospital Accommodation, Diets, Stores, Wages, &c. - - - - - £. 3,300				
Deduct Stoppages - - - - - 1,500				
	1,800		800	
CLOTHING:				
Cost of Clothing and Necessaries - - - - -	115,000		120,000	
TRAVELLING AND CONVEYANCE:				
Travelling Expenses of Officers, Non Commissioned Officers and Men	20,025		16,000	
HIRE OF GROUND FOR EXERCISE, &c.:				
Hire of Ground for Exercise - - - - -	600		1,000	
Hire of Ground for Rifle Ranges, including Payments to Volunteer Corps, Cost of erecting Butts, Sheds, Platforms, &c. - - - - -	2,000		1,400	
MISCELLANEOUS CHARGES:				
Rewards and Expenses attending the Apprehension of Deserters and the Conviction of Offenders under the Militia Act - - - - -	2,000		1,500	
Allowance to Officers and Non-Commissioned Officers whilst under Instruction at Hythe, Fleetwood, and Shoeburyness, or with Regiments of the Line - - - - -	1,600		1,200	
Allowance to Officers and Serjeant Instructors of Musketry and their Assistants during Training, including Allowance to Fatigue Men during Target Practice, and Good Shooting Pay - - - - -	800		500	
Allowance to Serjeants and Men of the Line, and to Out-Pensioners when employed as Drill Instructors during Training - - - - -	100		200	
Allowance to Officiating Clergymen - - - - -	450		—	
Contingent and unforeseen Expenses - - - - -	2,000		3,000	
		522,699		516,080
TOTAL - - - £.	786,400		- - -	783,783

AMOUNT OF ESTIMATE FOR 1865-66 (Vote 8) - - £. 786,400.

Vote 9.

YEOMANRY CAVALRY.

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
PAY AND FORAGE ALLOWANCE OF PERMANENT STAFF:				
31 Adjutants, at 10s. per diem - - - - -	5,658		5,475	
2 ditto - 5s. 2d. „ - - - - -	189		283	
33 ditto - Troop Allowance, at 2l. per Troop - - - - -	458		478	
8 Serjeant-majors, at 5s. 2d. per diem - - - - -	754		754	
274 Serjeants - - - 2s. „ - - - - -	10,001		9,928	
42 Trumpeters - - - 2s. „ - - - - -	1,533		1,606	
		18,593		18,524
CONTINGENT AND CLOTHING ALLOWANCE:				
14,522 Men, at 2l. per man per annum - - - - -	29,044		28,842	
45 Men - ditto - three years in advance for 1 Troop of Heris Yeomanry Cavalry - - - - -	—		270	
		29,044		29,112
EXPENSES OF PERMANENT DUTY:				
	£.	s.	d.	
4 Colonels - - - - - 1 12 - a day for 8 days	51			
55 Lieutenant Colonels - - - - - 1 3 - „ „	506			
46 Majors - - - - - 19 3 - „ „	354			
267 Captains - - - - - 14 7 - „ „	1,558			
284 Lieutenants - - - - - 9 - „ „	1,023			
267 Cornets - - - - - 8 - „ „	854			
38 Surgeons - - - - - 11 4 - „ „	172			
13 Assistant Surgeons - - - - - 8 6 - „ „	44			
13 Veterinary Surgeons - - - - - 8 - „ „	42			
267 Quartermasters - - - - - 5 6 - „ „	587			
8 Serjeant Majors - - - - - 1 10 - „ „				
(In addition to 5s. 2d. a day constant pay.)	6			
14,339 Non-commissioned Officers and Men - 7 - a day for 8 days	40,149			
41 Permanent trumpeters - - - 5 - „ „				
(In addition to 2s. a day constant pay.)	82			
271 Permanent Serjeants - - - 5 - a day for 8 days				
(In addition to 2s. a day constant pay.)	542			
Forage allowance, at 1s. 6½d. a day, for 2,752 horses for 8 days -	1,697			
	47,667			
Deduct for probable absentees - - - - -	5,391			
		42,276		
Troop allowance, at 2s. 2d. a day, for 267 troops for 8 days - -	231			
Troop allowance to Officers holding a commission as Colonel or Lieutenant Colonel - - - - -	223			
Expenses of Training and Exercise, 183 men, at 3s. 4d. a day, for 6 days - - - - -	183			
		637		
Travelling Expenses of Inspecting Field Officers - - - - -	200	200	200	200*
Payments to Clerks of Lieutenancy - - - - -	250	250	250	250
TOTAL YEOMANRY CAVALRY - - - £.		91,000		87,086

* Voted in Supplementary Estimate, 1864-5.

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 9) - - £.91,000.

Vote 10.

VOLUNTEER CORPS.

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
STAFF:				
1 Inspector General, at 1 <i>l.</i> 17 <i>s.</i> 11 <i>d.</i> a day	691		691	
1 Deputy Inspector, at 19 <i>s.</i> a day	346		346	
10 Assistant Inspectors (in Districts or Divisions), at 9 <i>s.</i> 6 <i>d.</i> each a day	1,733		1,907	
Allowance in lieu of Servants and Forage	1,338		1,441	
Allowance in lieu of Lodgings	1,021		1,048	
Allowance in lieu of Rent of Offices and Allowance for Clerks	236		259	
Travelling and Miscellaneous Expenses	1,435		1,441	
TOTAL STAFF	-	6,800	-	7,133
ESTABLISHMENT:				
PAY and ALLOWANCE to ADJUTANTS:				
Adjutants, at 10 <i>s.</i> per diem	51,100		51,100	
Allowance in lieu of Servants	5,110		5,110	
Allowance in lieu of Forage	10,220		10,220	
Allowance in lieu of Lodgings	11,497		11,497	
Contingent Allowance to ditto, at 4 <i>l.</i> per Company	9,292		9,192	
Travelling and Inn Expenses, and Allowance to Adjutants while undergoing Instruction at the Schools of Musketry at Hythe and Fleetwood, and actual Travelling Expenses	5,381		8,481	
		92,600		95,600
PAY and ALLOWANCES to SERJEANT INSTRUCTORS:				
Allowances to Serjeant Instructors of Volunteer Corps, and Temporary Drill Instructors	44,000		46,110	
Extra Allowance to ditto, acting as Serjeants-Major	2,000		2,518	
Allowance in lieu of Forage for Serjeants Instructors of Mounted Corps	500		500	
Allowance to Serjeant Instructors who obtain Certificates at the Schools of Musketry	1,100		1,217	
Travelling Expenses of ditto	350		893	
Extra Pay and Lodging Allowance of Non-Commissioned Officers of the Royal Artillery, and Regimental and Extra Pay, and Lodging Allowance of Non-Commissioned Officers of Royal Engineers attached to Artillery and Engineer Volunteer Corps	6,700		6,158	
TOTAL ESTABLISHMENT	-	54,650	-	57,396
Carried forward	-	154,050	-	160,129

Vote 10.—VOLUNTEER CORPS—continued.

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	-	154,050	-	160,129
CAPITATION GRANTS:				
Capitation Grant, at 30 s., to Artillery Volunteers - - -	33,000		29,223	
Capitation Grant, at 20 s., to Light Horse, Engineers, and Rifle Volunteers - - - - -	101,700		101,032	
Extra Capitation Grant, at 10 s. - - - - -	31,100		25,457	
Extra Capitation Grant, at 4 s., for Administrative Battalions -	10,500	176,300	7,557	163,269
MISCELLANEOUS:				
Travelling Expenses, &c., of Officers of the Army on Volunteer Duties - - - - -	1,550		1,862	
Payments to Clerks of Lieutenancy - - - - -	3,000		3,000	
TOTAL - - -	-	4,550	-	4,862
TOTAL VOLUNTEER CORPS - - - £.		334,900		328,260

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 10) - - - £. 334,900

The Volunteers are also provided at the Public expense with Arms, Ammunition, and Artillery and Engineer stores, the Cost of which is included in the Vote for Military Stores.

Vote 11.

ENROLLED PENSIONERS AND ARMY RESERVE FORCE.

	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
	£.	£.
MILITARY ORGANIZATION OF OUT-PENSIONERS:		
Allowance to the Enrolled Pensioners and their Officers when assembled for Training and Exercise, and to Officers and Non-Commissioned Officers in charge of Arms - - - - -	30,000	34,000
ARMY RESERVE FORCE:		
Annual Allowance to Non-Commissioned Officers and Privates enrolled in the Army Reserve Force, and their Pay when assembled for Training and Exercise	10,000	10,000
Clothing for Enrolled Pensioners, Army Reserve Force, and Pensioners employed upon Recruiting Service -	6,000	5,580
TOTAL - - - £.	46,000	49,580

TOTAL OF ESTIMATE FOR 1865-66 (VOTE 11) - - £. 46,000

PART III.

S T O R E S.

	Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£.
Vote 12. MANUFACTURING DEPARTMENTS, AND MATERIALS FOR THE MANU- FACTURE OF WARLIKE STORES - }	38	972,900	973,031
Vote 13. MILITARY STORE ESTABLISHMENTS AND EXPENDITURE FOR WAR- LIKE STORES FOR LAND AND SEA SERVICE - - - }	40	485,000	572,519
TOTAL - - - £.		1,457,900	1,545,550

Vote 12.

MANUFACTURING DEPARTMENTS, AND MATERIALS

For Detail, <i>vide</i> Appendix, No. 7, from Pages 136 to 140.	Establish- ment.	Establish- ment for Instruction.	Wages.	M A T E R I A L S.				
				Gross Amount Required.	Estimated Remain available on 31 March 1865.	Value of Old Material obtainable from Military Store Department.	TOTAL to be Deducted.	Net Amount Required to be Purchased.
Royal Arsenal, Woolwich :	£.	£.	£.	£.	£.	£.	£.	£.
Royal Carriage De- partment - - }	9,004	573	103,845	104,085	32,563	1,063	33,626	70,459
Royal Gun Factories	8,628	400	111,447	151,485	53,429	4,500	57,929	93,556
Royal Laboratory -	7,464	1,404	131,254	209,055	41,646	22,000	63,646	145,409
Chemical and Photo- graphic Establish- ments - - - }	2,184	- -	405	666	- -	- -	- -	666
Gas Factory - - -	- -	- -	3,513	6,772	- -	- -	- -	6,772
Medical Establishment	1,254	- -	- -	- -	- -	- -	- -	- -
General School for Artificers - - }	438	- -	- -	- -	- -	- -	- -	- -
Royal Small Arms Esta- blishments - - }	7,965	-	[£. 155,000 is provided for <i>Wages and Materials</i>]			-	-	-
Royal Gunpowder Factory	*2,603	- -	9,877	41,587	33,895*	166	34,061	7,526
Royal Ordnance Facto- ries, Portsmouth - }	1,016	184	7,952	9,167	2,842	- -	2,842	6,325
Royal Laboratory, Bull Point - - - }	740		6,657	11,786	11,127	- -	11,127	659
Department of Inspector of Works - - - }	2,920	- -	- -	- -	- -	- -	- -	- -

* Including the value of Saltpetre, Barrels, and Hoops, to be drawn from Store, the cost of replenishing which is defrayed from Vote 13.

Vote 12.

- - - - FOR THE MANUFACTURE OF WARLIKE STORES.

Machinery.	BUILDINGS.		Police.	Miscellaneous Charges.	Estimate, 1865-66.	Estimate, 1864-65.	For Detail, <i>vide</i> Appendix, No. 7, from Pages 136 to 140.
	New Works and Additions.	Maintenance of.					
£.	£.	£.	£.	£.	£.	£.	Royal Arsenal, Woolwich :
5,000	1,962	2,485	Included in Vote 13.	862	194,190	189,397	{ Royal Carriage Department.
7,000	5,190	5,840		415	232,476	236,880	Royal Gun Factories.
3,600	925	2,350		880	293,286	243,151	Royal Laboratory.
-	134	70		132	3,591	3,630	{ Chemical and Photographic Establishments.
900	415	1,043		-	12,643	12,813	Gas Factory.
-	15	53	-	200	1,522	1,265	Medical Establishment.
-	-	-	-	82	520	552	{ General School for Artificers.
2,100	1,649	3,210	949	2,101	172,974	162,832	{ Royal Small Arms Establishments.
6,100	4,373	2,214	743	849	34,285	81,623	Royal Gunpowder Factory.
50	-	-	Included in Vote 13.	278	15,621	16,730	{ Royal Ordnance Factories, Portsmouth.
-	-	-		532	8,772	19,863	{ Royal Laboratory, Bull Point.
-	5	95		-	3,020	4,295	{ Department of Inspector of Works.
£.					972,900	973,031	

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 12) - - £. 972,900

Vote 13.

MILITARY STORE ESTABLISHMENTS, AND EXPENDITURE FOR WARLIKE STORES PURCHASED FOR LAND AND SEA SERVICE.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
DIRECTOR OF STORES - - - - -		-	Pay provided in Vote 18		
NUMBERS.					
1864-65.	1865-66.	MILITARY STORE STAFF:*			
3	3	Principal Superintendents of Stores - - -			
7	7	Superintendents of Stores - - - - -			
16	16	Deputy Superintendents of Stores - - -			
41	41	Assistant Superintendents of Stores - - -			
137	128	Deputy Assistant Superintendents of Stores -			
51	55	Military Store Clerks - - - - -			
2	2	Acting Military Store Officers - - -			
257	252				
Soldier and Civil Temporary Clerks - - - - -		1,300		973	
Office Expenses - - - - -		1,000		1,030	
Allowance in lieu of Servants - - - - -		4,100		4,116	
Travelling Expenses - - - - -		900		956	
TOTAL - - - £.		-	63,082	-	65,497
5 Inspectors of Stores, from 250 l. to 400 l. - - -		1,910		1,800	
4 Storeholders, 1st Class, from 150 l. to 180 l. - - -		706		663	
8 Ditto - 2d Class, from 110 l. to 140 l. - - -		1,146		1,264	
16 Ditto - 3d Class, from 85 l. to 105 l. - - -		1,554		1,370	
Serjeant Conductors of Stores - - - - -		1,928		1,812	
			7,244		6,909
Wages for Artificers, Labourers, and others employed in the Military Store Establishments (See Appendix, No. 8, page 141) - - -		116,435		116,848	
Charge for Metropolitan Police employed at Military Store Stations †		8,861		† 8,991	
Wages for Masters and Crews of Powder and Store Vessels - - -		9,525		9,663	
Rent, Rates, &c., of Buildings used as Military Storehouses, Offices, &c.		{ Provided in Vote 4.		9,550	
Miscellaneous Expenditure connected with Storehouses, &c. - - -		794		979	
			135,615		146,031
TOTAL MILITARY STORE ESTABLISHMENTS - - - £.			205,941	-	218,437
DEPARTMENT OF THE INSPECTOR OF ORDNANCE:					
1 Inspector of Ordnance - - - { Regimental Pay - £. 257 5 -		557		501	
- - - { Extra Pay - - - 300 - - -					
1 Assistant - ditto - - - { Regimental Pay - - - 305 13 -		—		506	
- - - { Extra Pay - - - 200 - - -					
1 Superintendent of Proof - - - - -		—		91	
1 Proof Master - - - - -		315		305	
1 Examiner of Ordnance Projectiles - - - - -		260		240	
3 Clerks - - - - -		353		338	
Wages of Viewers, Foremen, and others - - - - -		3,837		3,828	
Travelling and Contingent Expenses - - - - -		252		252	
			5,574		6,061
INSPECTION OF WARLIKE STORES AT FOREIGN STATIONS:					
7 Inspectors, at 5 s. each, per diem - - - - -		639		730	
4 Assistant ditto, at 2 s. 6 d. each, per diem - - - - -					
2 Clerks to ditto - - - - -		46		188	
			868		1,101
Carried forward - - - £.		-	212,383	-	225,599

* Thirty-five Officers perform Barrack duties as well as Military Store duties.
† This item includes the cost of the Police for the Manufacturing Departments at Woolwich, Portsmouth, and Devonport.

Vote 13.—MILITARY STORE ESTABLISHMENTS, and EXPENDITURE for WARLIKE STORES, &c.—*continued.*

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	-	212,383	-	225,599
FACTORY FOR REPAIRS, GUN WHARF, DEVONPORT:				
Machinery - - - - -	3,000			
Buildings - - - - -	6,000	9,000		
STORES: *				
For the Purchase and Repair of the following Stores:				
SMALL ARMS - - - - -	27,300		27,749	
IRON ORDNANCE and PROJECTILES - - - - -	15,000		36,000	
GUNPOWDER supplied by Contract † - - - - -	26,021			
	£.			
SALTPETRE for Gunpowder to be supplied by Contract	16,120			
Ditto - for Gunpowder to be made at Waltham Abbey - - - - -	11,400	27,520	130,000	
POWDER-BARRELS, HOOPS, &c., for Gunpowder to be supplied by Contract - - - - -	2,859			
Ditto - - - ditto - - for Gunpowder to be made at Waltham Abbey - - - - -	2,083	4,942		
MACHINERY - - - - -	4,700		3,680	
CAMP EQUIPAGE - - - - -	29,200		11,178	
ACCOUTREMENTS - - - - -	31,200		8,504	
TIMBER - - - - -	8,100			
MISCELLANEOUS STORES:	£.			
Tower - - - - -	23,000			
Woolwich - - - - -	51,000			
Local Purchases at Home and Abroad - - - - -	10,500	84,500	81,145	298,256
MISCELLANEOUS SERVICES:				
MATERIALS for PACKING - - - - -	7,400		9,834	
PURCHASE and REPAIR of VESSELS and BOATS, SAILS, &c. - - - - -	6,300		8,445	
FREIGHT (Coastwise) in the UNITED KINGDOM, LAND CARRIAGE of STORES and ARMS, and for the HIRE of VESSELS, BARGES, HOYS, &c. - - - - -	21,000		30,385	
HIRE of HORSES, Woolwich, for the REMOVAL of STORES - - - - -	5,500	40,200		48,664
Deduct:—Value of Stores, Ammunition, &c., to be supplied, on Repayment, to Colonial Governments, Volunteer Corps, &c., and to the Manufacturing and other Establishments of the War Department - - - - -		520,066	-	572,519
		35,066	-	
TOTAL - - - £.	485,000		-	572,519

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 13) - - - £. 485,000

* All Stores made in the Manufacturing Departments are transferred to the Military Store Department for custody and issue.

† The Saltpetre to be supplied by the War Department.

PART IV.

WORKS AND BUILDINGS.

(EXCLUSIVE OF THE MANUFACTURING DEPARTMENTS.)

		Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
			£.	£.
Vote 14.	ESTABLISHMENT - - -	44	86,455	79,183
	WORKS, BUILDINGS, AND RE- PAIRS, AT HOME AND ABROAD	45	724,969	671,687
	TOTAL - - - £.		811,424	750,870

Vote 14.

WORKS, BUILDINGS, AND REPAIRS, AT HOME AND ABROAD
(Exclusive of the Manufacturing Departments.)

					ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
SUPERINTENDING ESTABLISHMENT:					£.	£.	£.	£.
INSPECTOR GENERAL OF ENGINEERS AND DIRECTOR OF WORKS					} Pay provided in Vote 18.			
DEPUTY DIRECTOR OF WORKS FOR FORTIFICATIONS - - -								
DEPUTY DIRECTOR OF WORKS FOR BARRACKS - - -								
Allowance to three Officers of Royal Engineers, specially employed, at 1 l. 1 s. a day each - - - - { Regimental Pay in addition - }					1,150		766	
1 Surveyor, 600 l. to 800 l. - - - - -					660 ¹		640	
1 Deputy Surveyor, 350 l. to 500 l. - - - - -					395		380	
2 Draughtsmen, 1 at 500 l., 1 at 350 l. - - - - -					850		830	
Temporary Draughtsmen employed at Head Quarters - - -					3,004		1,544	
Clerical Establishment at the War Office - - - - -					2,000		—	
NUMBERS.								
1864-65.	1865-66.	CIVIL ESTABLISHMENT:						
1	1	Deputy Surveyor - - - - -			350		350	
		Clerks of Works:						
36	37	1st Class, 230 l. to 300 l. - - - - -			10,344		10,290	
86	89	2d Class, 150 l. to 220 l. - - - - -			18,783		17,873	
68	67	3d Class, 110 l. to 140 l. - - - - -			8,359		9,652	
		Clerks:						
14	14	1st Class, 210 l. to 270 l. - - - - -			3,468		3,688	
27	27	2d Class, 150 l. to 200 l. - - - - -			5,153		4,928	
42	42	3d Class, 80 l. to 140 l. - - - - -			5,144		5,191	
90	93	Temporary Clerks of Works, Draughtsmen, Foremen of Works, and Clerks - - - - }			9,450		8,082	
364	370							
Allowance to Officers acting as Engineers - - - - -					350		—	
Pay of Office Keepers, Messengers, and others - - - - -					5,521		5,078	
Climate and Foreign Service Pay - - - - -					1,585		1,740	
Allowance in lieu of Servants at Foreign Stations - - - - -					2,496		1,861	
Rent, &c. of Engineer Offices - - - - -					729		790	
Office Expenses - - - - -					1,629		1,500	
Travelling Expenses of Engineer Officers, Clerks of Works, and others, in connexion with Works and Buildings - - - - }					4,535		4,000	
TOTAL for ESTABLISHMENT - - £.					86,455	- -	79,183	

In addition to the above, the pay and extra pay of the Engineer Officers employed upon Fortifications and Buildings are provided in Vote 1.

Vote 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—*continued.*

PART I.—NEW WORKS, ADDITIONS, and ALTERATIONS, amounting to £.1,000 each and upwards.

STATIONS.	FORTIFICATIONS AND MILITARY STORE BUILDINGS.	BARRACKS.	Total Estimate for the Work.	Amount already Voted for it.	Gross Sum already Expended upon it to 31 Dec. 1864.	Vote required for 1865-66.	Further Amount required for completing the Work.
AT HOME:			£.	£.	£.	£.	£.
		Improvement of Land, and Planting in the Vicinity - - }	- -	- -	- -	1,000	—
Aldershot - -	- - - - -	Alterations to Drain- age and Latrines, with a view of utili- zing the Sewage in Barracks and Camps }	8,000	8,000	4,922	1,626	—
		Stabling of a more permanent character than that at present existing in Camp - }	40,000	15,800	17,268	10,000	11,705
Colchester - -	- - - - -	Cavalry Barracks - }	*112,000	100,000	92,813	19,000	—
		Warley Barracks, to- wards the Purchase of - - - }	60,000	- -	- -	15,000	45,000
Devonport - -	- - - - -	Additions to Granby Barracks - - }	9,800	9,800	6,622	2,120	—
Dover - - - -	- - - - -	Pumping Machinery	6,500	- -	- -	6,500	—
Gravesend - -	- - - - -	Purchase of Land, and erecting Rifle Range, Huts, &c., for 700 Men - - }	64,000	75,800	56,000	3,000	1,000
	Re-form of Eastern Defences, Tower - }	- - - - -	11,500	7,000	8,513	3,000	—
	- - - - -	New Barracks at Chelsea - - }	187,000	192,000	169,163	17,000	—
London - - -	- - - - -	Windsor:—Purchase of Land and addi- tions to Infantry Barracks - - }	60,000	- -	- -	15,000	45,000
Netley - - - -	- - - - -	Levelling, Planting, &c., of Grounds - }	4,000	2,900	2,969	600	400
		Erecting a Pier -	6,000	3,000	—	6,000	—
Northern District	New Powder Maga- zine, Newcastle-on- Tyne - - - }	- - - - -	† 3,862	5,730	2,434	800	—
Portsmouth - -	- - - - -	Haslar:—Converting Barracks into Hos- pital - - - }	7,500	2,000	- -	5,500	—
Carried forward - - -			- - -	- - -	- - £.	106,146	

* Colchester:—The increase of 2,000 £. to the total estimated cost is due chiefly to the provision of additional outbuildings not originally contemplated.
† Northern District:—The increase of 68 £. to the total estimated cost is consequent upon an amended design.

Vote 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—*continued.*

STATIONS.	FORTIFICATIONS AND MILITARY STORE BUILDINGS.	BARRACKS.	Total Estimate for the Work.	Amount already Voted for it.	Gross Sum already Expended upon it to 31 Dec. 1864.	Vote required for 1865-66.	Further Amount required for completing the Work.
PART I.—NEW WORKS, &c.— <i>cont^d.</i>			£.	£.	£.	£.	£.
AT HOME— <i>continued.</i>							
		Brought forward -	-	-	-	106,146	—
Woolwich - -	- - - -	Erecting Stabling for Military Train, and converting Garrison Hospital into Bar- racks - - - -	26,000	-	-	7,000	19,000
York - - -	- - - -	Purchase of Land, and increasing Bar- rack Accommoda- tion - - - -	40,000	41,000	35,333	3,800	—
Ireland - -	- - - -	Erecting Temporary Stables at the Cur- ragh - - - -	-	-	-	2,000	—
TOTAL, PART I., HOME - - - £.			-	-	-	118,446	
ABROAD:							
Africa, West Coast of.	- - - -	Providing additional Accommodation - }	-	3,000	810	5,000	—
Bermuda - -	Defences of Dock- yard and Naval An- chorage - - }	- - - -	260,000	-	-	35,000	225,000
Canada - -	Improvement of De- fences, Quebec - }	- - - -	200,000	-	-	50,000	150,000
	Store Accommoda- tion at King Wil- liam's Town - }	- - - -	5,000	5,500	3,686	1,000	—
Cape of Good Hope - -	Magazine, Simon's Town - - - }	- - - -	2,175	500	708	1,100	—
	- - - -	Providing additional Accommodation - }	13,000	4,000	2,781	3,000	6,000
	- - - -	King William's Town: Laying on Water - }	1,000	-	-	500	500
Ceylon - -	Store Accommodation	- - - -	1,455	1,814	900	300	—
Carried forward - - -			-	-	-	95,900	

Vote 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—continued.

STATIONS.	FORTIFICATIONS AND MILITARY STORE BUILDINGS.	BARRACKS.	Total Estimate for the Work.	Amount already Voted for it.	Gross Sum already Expended upon it to 31 Dec. 1864.	Vote required for 1865-66.	Further Amount required for completing the Work.
PART I.—NEW WORKS, &c.—continued. ABROAD—continued.			£.	£.	£.	£.	£.
		Brought forward -	-	-	-	95,900	—
China - - - - -		Kowloon, Erecting } Trial Hut - - - }	3,000	4,000	-	2,600	—
	New Works - - -	- - - - -	280,000	275,000	262,998	3,500	13,000
	Bombproof Store Ac- } commodation - - }	- - - - -	-	1,500	1,030	1,500	—
Gibraltar - - -		Extension of Com- } missariat Establish- } ment - - - }	11,000	9,400	8,318	1,780	—
		Drainage and Water } Supply - - - }	12,000	10,000	7,814	3,000	—
		Buena Vista:—Off- } cers' Quarters - }	10,300	-	-	3,000	7,300
Jamaica - - -		Additional Accom- } modation at New- } castle - - - }	6,000	-	-	1,000	5,000
Malta - - -	Re-forming and Im- } proving the Defences }	- - - - -	196,842	185,000	164,575	1,000	30,000
		Fort Ricasoli:— } Quarters for Off- } cers - - - }	8,000	-	-	2,500	5,500
Mauritius - - -	Improvement of De- } fences - - - }	- - - - -	202,000	185,811	177,810	10,000	9,000
Nova Scotia - -	Improvement of De- } fences, Nova Scotia } and New Bruns- } wick - - - }	- - - - -	*190,000	40,000	43,507	35,000	110,000
St. Helena - -	Improvement of De- } fences - - - }	- - - - -	20,000	19,854	14,526	2,500	2,000
TOTAL, PART I., ABROAD - - -			-	-	- £.	163,280	

* Nova Scotia:—The total Estimate for this item has been increased to 190,000 £., in order to provide for the completion of the defences of the Naval Station at Halifax against a sea attack.

VOTE 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—*continued.*

STATIONS.	FORTIFICATIONS AND MILITARY STORE BUILDINGS.	BARRACKS.	Total Estimate for the Work.	Amount already Voted for it.	Gross Sum already Expended upon it to 31 Dec. 1864.	Vote required for 1865-66.	Further Amount required for completing the Work.
PART I.—NEW WORKS, &c.— <i>cont^d.</i>			£.	£.	£.	£.	£.
SPECIAL SERVICES:							
Various Stations	Defences of Harwich and Newhaven Harbours - - }	- - - -	110,000	55,000	36,752	15,000	56,000
	Defences of Commer- cial Harbours, in- cluding the Humber and Holyhead - }	- - - -	450,000	236,000	154,752	10,000	280,000
	Volunteer Batteries -	- - - -	- -	11,500	9,207	1,500	
	- - - -	Regimental Schools and Chapels - }	- -	- -	- -	7,000	
	- - - -	Military Prisons -	- -	- -	- -	5,000	
	- - - -	Married Soldiers' Quarters - - }	- -	- -	- -	30,000	
	- - - -	Sanitary Services -	- -	- -	- -	30,000	
	- - - -	Gas Fittings - -	- -	- -	- -	5,000	
	- - - -	Rifle Ranges - -	- -	- -	- -	2,000	
	- - - -	Gymnasia - -	- -	- -	- -	4,000	
	- - - -	Purveyors' Services	- -	- -	- -	3,000	
	- - - -	Machinery - -	- -	- -	- -	1,000	
	- - - -	Reading and Recrea- tion-rooms - - }	- -	- -	- -	5,000	
	TOTAL VARIOUS STATIONS - - -		- -	- -	- - £.	118,500	

	£.
TOTAL, PART I., HOME - - - - -	118,446
TOTAL, PART I., ABROAD - - - - -	163,280
TOTAL, PART I., SPECIAL SERVICES - - - - -	118,500
	<u>£. 400,226</u>

Vote 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—*continued.*

PARTS II. and III.—NEW WORKS, ADDITIONS, &c., amounting to less than £.1,000 each, and ORDINARY and CURRENT REPAIRS.

STATIONS.	FORTIFICATIONS AND MILITARY STORE BUILDINGS.		BARRACKS.		TOTAL.
	PART II.	PART III.	PART II.	PART III.	
HOME:	£.	£.	£.	£.	£.
Aldershot - - - - -	-	264	4,746	31,942	
Birmingham - - - - -	13	655	261	1,150	
Brighton - - - - -	8	701	97	1,253	
Chatham - - - - -	252	2,126	741	4,955	
Colchester - - - - -	377	963	1,049	5,121	
Devonport - - - - -	2,129	2,445	674	2,838	
Dover - - - - -	358	4,364	3,500	8,673	
Dover Canal - - - - -	-	1,484	-	-	
Gravesend - - - - -	-	253	-	605	
Guernsey - - - - -	1,020	1,086	244	1,055	
Jersey - - - - -	29	869	19	1,545	
London - - - - -	1,443	2,868	1,649	5,032	
Manchester - - - - -	73	192	900	3,400	
Netley - - - - -	-	-	2,243	770	
Newcastle - - - - -	136	213	2	289	
Pembroke - - - - -	36	180	13	512	
Portland - - - - -	-	58	138	1,732	
Portsmouth - - - - -	1,006	9,362	1,586	8,733	
Purfleet - - - - -	164	445	-	155	
Shoeburyness - - - - -	1,840	560	743	1,360	
Sandhurst - - - - -	-	-	1,508	2,269	
Sheerness - - - - -	430	515	399	1,070	
Woolwich - - - - -	823	1,349	2,100	9,571	
Royal Arsenal - - - - -	3,238	5,955	-	-	
Yorkshire - - - - -	11	458	194	2,549	
Scotland - - - - -	698	1,060	1,777	5,172	
Ireland { Belfast - - - - -	8	193	-	3,162	
Cork - - - - -	483	1,025	1,142	4,435	
Curragh - - - - -	81	6	177	7,153	
Dublin - - - - -	43	936	908	10,003	
Limerick - - - - -	-	77	1,100	3,288	
Surveys of Defensive Positions - - - - -	-	500	-	-	
Repairs to War Department Property - - - - -	-	1,500	-	-	
TOTAL HOME - - £.	14,699	42,662	27,910	129,792	215,063
ABROAD:					
Africa, West Coast of:					
Gambia - - - - -	-	118	25	884	
Cape Coast Castle - - - - -	-	309	-	700	
Sierra Leone - - - - -	289	245	-	578	
Australian Colonies:					
Tasmania - - - - -	19	60	-	1,006	
North American Colonies:					
Canada - - - - -	1,305	2,918	465	7,855	
Nova Scotia and New Brunswick - - - - -	752	1,405	801	4,758	
Newfoundland - - - - -	-	393	395	852	
Bermuda - - - - -	210	943	396	1,510	
Cape of Good Hope - - - - -	1,537	988	961	6,150	
Ceylon - - - - -	708	934	-	5,000	
China - - - - -	643	275	235	3,183	
Gibraltar - - - - -	5,355	1,593	2,401	6,137	
Malta - - - - -	2,645	1,892	1,865	5,638	
Mauritius - - - - -	402	1,117	35	4,406	
New Zealand - - - - -	103	182	199	846	
St. Helena - - - - -	1,041	1,175	56	4,958	
Jamaica - - - - -	89	113	518	3,606	
Bahamas - - - - -	-	241	100	1,391	
Honduras - - - - -	-	50	-	592	
Barbados - - - - -	80	398	416	4,398	
Berbice - - - - -	-	-	62	3,718	
Demerara - - - - -	-	403	-	-	
Trinidad - - - - -	-	8	19	537	
Surveys of Defensive Positions - - - - -	-	1,000	-	-	
TOTAL ABROAD - - £.	15,178	16,760	8,949	68,793	109,680
TOTAL HOME and ABROAD, £.	29,877	59,422	36,859	198,585	324,743

Vote 14.—WORKS, BUILDINGS, and REPAIRS, at HOME and ABROAD—*continued.*

A B S T R A C T.

					ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
					£.	£.
TOTAL FOR ESTABLISHMENT - - - - -					86,455	79,183
WORKS, BUILDINGS, and REPAIRS at HOME and ABROAD.						
1865-66.						
		Fortifications, and Military Store Buildings.	Barracks.			
		Home.	Abroad.	Home.	Abroad.	
		£.	£.	£.	£.	
PART I.						
(New Works, Additions, and Alterations amount- ing to 1,000 <i>l.</i> , and up- wards) - - - - -	3,800	140,900	114,646	22,880	281,726	
PART II.						
(New Works, Additions, &c., amounting to less than 1,000 <i>l.</i>) - - -	14,699	15,178	27,910	8,949	66,736	
PART III.						
(Ordinary and Current Repairs) - - - - -	42,662	16,760	129,792	68,793	258,007	
	61,161	172,838	272,348	100,122		
	£. 233,999		£. 372,470			
Special Services - - -	26,500		92,000			
	£. 260,499		£. 464,470			
					724,969	671,687
TOTAL - - - £.					811,424	750,870

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 14) - - - £. 811,400.

PART V.

OTHER SERVICES.

	Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£.
Vote 15. MILITARY EDUCATION - - -	53	163,500	173,883
Vote 16. SURVEYS OF THE UNITED KINGDOM	64	88,345	88,345
Vote 17. MISCELLANEOUS SERVICES - -	65	107,700	123,103
Vote 18. ADMINISTRATION OF THE ARMY -	67	212,800	223,384
TOTAL - - - £.		572,345	608,715

Vote 15.

MILITARY EDUCATION.

ABSTRACT of the ESTIMATED CHARGES for the several Establishments for
MILITARY EDUCATION, from 1 April 1865 to 31 March 1866.

	Pages.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£.
THE COUNCIL OF MILITARY EDUCATION - -	54	8,300	8,053
ROYAL MILITARY ACADEMY AT WOOLWICH	54	36,239	42,124
ROYAL MILITARY COLLEGE AT SANDHURST	57	35,840	40,815
STAFF COLLEGE AT SANDHURST - -	59	8,670	8,686
REGIMENTAL AND GARRISON SCHOOLS AND } LIBRARIES - - - - - }	60	36,378	37,159
ROYAL MILITARY ASYLUM AT CHELSEA -	61	15,257	14,406
ROYAL HIBERNIAN MILITARY SCHOOL AT } DUBLIN - - - - - }	62	12,011	11,334
DEPARTMENT FOR INSTRUCTION OF ARTIL- } LERY OFFICERS - - - - - }	63	2,863	2,705
MILITARY MEDICAL SCHOOL - - - -	63	7,942	8,601
TOTAL - - £.		163,500	173,883

TOTAL AMOUNT of ESTIMATE for 1865-66 (Vote 15) - £.163,500.

Vote 15.

DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION.

THE COUNCIL OF MILITARY EDUCATION.	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
PRESIDENT :				
His Royal Highness the Field Marshal Commanding in Chief -	—	—	—	
1 Vice-President, Major General - - - { Unattached Pay in addition. }	1,000	- - -	1,000	
1 Member, Major General - - - { Retired Full Pay in addition. }	600	- - -	600	
1 Member - - - - -	600	- - -	600	
1 Member, Colonel - - - { Regimental Pay in addition. }	600	- - -	481	
1 Member, Brevet Colonel - - - { Half-Pay in addition. }	600	- - -	600	
1 Secretary, Captain - - - { Half-Pay in addition. }	400	- - -	400	
8 Clerks - - - - -	630	- - -	602	
	£. s. d.			
1 Office Keeper - - - - -	107 18 -			
1 Messenger - - - - -	54 12 -			
Travelling Expenses of the Council in visiting Army Schools, and travelling Expenses of Examiners - - - - -	337 10 -			
Miscellaneous Charges - - - - -	100 - -			
	600	- - -	600	
Pay of Examiners - - - - -	3,270	- - -	3,220	
TOTAL COUNCIL OF MILITARY EDUCATION - - £.	- - -	8,300	- - -	8,053
Note.—The Indian Government contributes a sum of £.360 towards the expenses of this Establishment.				
ROYAL MILITARY ACADEMY, WOOLWICH.				
MILITARY BRANCH:	£.			
Governor—His Royal Highness the Field Marshal Commanding in Chief - - - - -	-			
1 Lieutenant Governor and Commandant - { In addition to Unattached Pay }	1,000			
1 Inspector of Studies and 2d Commandant; Regimental Pay, 475 l.; Extra Pay, 300 l.; Servants, Forage, and Fuel, 107 l. - - - - -	882			
1 Assistant Inspector of Studies; Regimental Pay, 221 l.; Extra Pay, 200 l.; Lodging Allowance, 55 l. - - -	476			
1 Chaplain; Pay, 250 l.; Fuel Allowance, 13 l. - -	263			
Carried forward - - - £.	2,621	- -	8,300	- - 8,053

The Indian Government contributes a sum of 2,057 l. towards the expenses of this Establishment, which is paid into the Exchequer.
The contributions of the Cadets for the year ended 31 December 1864, which were paid into the Exchequer, amounted to 21,077 l.

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—*continued.*

ROYAL MILITARY ACADEMY— <i>continued.</i>		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.	£.
Brought forward - - -	2,621	-	8,300	-	8,053
MILITARY BRANCH— <i>continued.</i>					
3 Captains of Cadet Companies, including Regimental Pay, Extra Pay at 5 s. a day, and Lodging Allowance }	993				
4 Lieutenants of Cadet Companies, including Regimental Pay, Extra Pay at 5 s. a day, and Lodging Allowance }	807				
1 Paymaster and Adjutant; Pay, 475 l.; Forage and Lodging, 97 l. - - - }	572				
1 Quartermaster; Pay, 170 l.; Extra Pay, 55 l.; Servants, 18 l. - - - }	243				
1 Surgeon; Pay, 274 l.; Forage, 33 l. - - -	307				
Mess Allowance of Officers of Cadet Company - -	38				
		5,581	-	5,789	
EDUCATIONAL BRANCH:					
1 Professor of Fortification; Regimental Pay, 201 l.; Extra Pay, 250 l. - - - }	451				
3 Instructors in Fortification; each, Regimental Pay, 201 l.; Extra Pay, 91 l. - - - }	876				
1 Instructor in Fortification; Regimental Pay, 237 l.; Extra Pay, 91 l. - - - }	328				
1 Professor of Artillery; Regimental Pay, 301 l.; Extra Pay, 250 l.; Servants and Lodging, 73 l. - - - }	624				
2 Instructors in Artillery; each, Regimental Pay, 201 l.; Extra Pay, 91 l.; Lodging, 55 l. - - - }	694				
1 Instructor in Artillery; Regimental Pay, 143 l.; Extra Pay, 91 l.; Lodging, 55 l. - - - }	289				
1 Instructor in Surveying and Sketching; Regimental Pay, 201 l.; Extra Pay, 137 l.; Forage, 33 l. - - - }	371				
1 Assistant Instructor in Surveying and Sketching; Regimental Pay, 221 l.; Extra Pay, 91 l.; Servants and Lodging, 73 l. - - - }	385				
1 Assistant Instructor in Surveying and Sketching; Regimental Pay, 201 l.; Extra Pay, 91 l.; Servants, and Lodging, 73 l. - - - }	365				
1 Assistant Instructor in Surveying and Sketching; Regimental Pay, 201 l.; Extra Pay, 91 l. - - - }	292				
1 Professor of Mathematics - - - - -	550				
1 Professor of Mechanics; Pay, 500 l.; Lodging, 55 l. -	555				
1 Mathematical Master; Pay, 500 l.; Lodging, 55 l. -	555				
2 Mathematical Masters; each, Pay, 400 l.; Lodging, 55 l.	910				
1 Mathematical Master; Pay, 350 l.; Lodging, 55 l. -	405				
1 Professor of Practical Geometry - - - - -	350				
1 Master for Military Plan Drawing - - - - -	350				
1 Master for Geometrical Drawing - - - - -	300				
2 Masters for Geometrical Drawing, each 250 l. - -	500				
2 Masters of Landscape Drawing, at 300 l. and 250 l. -	550				
1 Professor of French - - - - -	300				
2 Masters for French, at 250 l. and 200 l. - - -	450				
1 Professor of German - - - - -	300				
Carried forward - - - £.	10,750	5,581	8,300	5,789	8,053

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—*continued.*

				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
ROYAL MILITARY ACADEMY— <i>continued.</i>				£	£.	£.	£.
Brought forward - - -			£.	5,581	8,300	5,789	8,053
			10,750				
EDUCATIONAL BRANCH— <i>continued.</i>							
2 Masters for German, at 250 l. and 150 l. - - -			400				
1 Professor of Hindustani - - - - -			300				
1 Lecturer on Chemistry - - - - -			300				
1 Lecturer on Geology - - - - -			200				
				11,950	- - -	14,613	
NON-COMMISSIONED OFFICERS AND MEN :							
1 Serjeant Major - - - - -			98				
1 Quartermaster Serjeant - - - - -			100				
16 Serjeants as Clerks, Drill and Gymnastic Instructors, &c. - - - - -			1,292				
1 Hospital Serjeant - - - - -			70				
2 Trumpeters - - - - -			56				
10 Gunners - - - - -			291				
Allowances to Non-Commissioned Officers and Men when employed on Field Works - - - - -			93				
				2,000	- - -	1,982	
CIVILIAN SERVANTS :							
1 Clerk - - - - -			220				
1 Paymaster's Clerk - - - - -			120				
1 Modeller - - - - -			150				
1 Modelling Smith - - - - -			80				
1 Foreman of Cadets' Workshop, 5 s. 6 d. a day - - -			86				
1 Assistant to Lecturer on Chemistry, 2 s. 6 d. a day -			39				
11 Hall Servants - - - - -			484				
8 Academy Servants - - - - -			292				
1 Hospital Orderly - - - - -			37				
30 Servants; as Porters, Watchmen, Barrack Labourers, &c. -			885				
5 Female Servants; as Cooks, &c. - - - - -			71				
1 Housekeeper and Assistant Nurse for Cadets' Hospital -			82				
5 Female Servants - - - - -			91				
Lodging Allowances - - - - -			30				
				2,667	- - -	2,749	
EXPENSES OF STUDENTS :							
Messing of 200 Cadets - - - - -			9,125				
Clothing - ditto - - - - -			1,825				
Washing - - - - -			200				
EXPENSES OF SERJEANTS AND SERVANTS :							
Board Wages of Cooks, &c. - - - - -			21				
Clothing of Staff Serjeants, Serjeants, Gunners, &c. -			400				
				11,571	- - -	13,796	
GENERAL EXPENSES :							
Rates and Taxes - - - - -			50				
* Fuel and Light - - - - -			815				
Purchase and Repair of Furniture, Stores, &c. - - -			1,000				
Purchase of Stores, &c. required for the Illustration of Lectures, &c. - - - - -			140				
Purchase, &c. of Prize Instruments - - - - -			240				
Expenses of Students proceeding to Shoeburyness for Instruction - - - - -			55				
Travelling and Miscellaneous Expenses - - - - -			170				
				2,470	- - -	3,195	
TOTAL ROYAL MILITARY ACADEMY - - - £.				- - -	36,239	- - -	42,124
Carried forward - - - £.				- - -	44,539	- - -	50,177

* The Gas consumed by this Establishment is supplied by the Gas Factory at Woolwich, and the cost of its Manufacture included in Vote 12.

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—continued.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward	- - -	-	44,539	-	50,177
ROYAL MILITARY COLLEGE, SANDHURST.					
MILITARY BRANCH:					
1 Governor, Pay, 1,000 <i>l.</i> ; Servants, For-	{ In addition to	£.			
age, Fuel, &c., 285 <i>l.</i>	{ Regimental Pay.	1,285			
1 Commandant, Pay, 500 <i>l.</i> ; Servants, For-	{ In addition to				
age, Fuel, 137 <i>l.</i>	{ Half-pay.	637			
1 Major and Superintendent of Studies, Pay, 300 <i>l.</i> ; Servants, Forage, Fuel, 78 <i>l.</i>	{ In addition in				
	{ Half-Pay.	378			
1 Chaplain, Pay, 411 <i>l.</i> ; Servants, Fuel, 53 <i>l.</i>	-	464			
1 Captain of Cadet Company, Pay, 303 <i>l.</i> ; Servants, Fuel, 45 <i>l.</i>	-	348			
1 Captain of Cadet Company, Pay, 347 <i>l.</i> ; Servants, Fuel, 36 <i>l.</i>	-	383			
1 Captain of Cadet Company, Pay, 303 <i>l.</i> ; Servants, Fuel, 36 <i>l.</i>	-	339			
3 Lieutenants of Companies, each, Pay, 182 <i>l.</i> ; Servants, Fuel, 36 <i>l.</i>	-	654			
1 Adjutant, Pay, 275 <i>l.</i> ; Servants, Forage, Fuel, 79 <i>l.</i>	-	354			
1 Paymaster, Pay, 350 <i>l.</i> ; Servants, Fuel, 45 <i>l.</i>	-	395			
1 Quartermaster, Pay, 255 <i>l.</i> ; Servants, Fuel, 45 <i>l.</i>	-	300			
1 Surgeon, Pay, 118 <i>l.</i> ; Servants, Forage, Fuel, 79 <i>l.</i>	{ In addition to	197			
	{ Half-pay.				
1 Assistant Surgeon, Pay, 237 <i>l.</i> ; Servants, Forage, Fuel, 79 <i>l.</i>	-	316			
1 Riding Master, Pay, 255 <i>l.</i> ; Servants, Forage, Fuel, 103 <i>l.</i>	-	358			
		6,408	-	6,799	
EDUCATIONAL BRANCH:					
1 Professor of Mathematics, 400 <i>l.</i>	-	400			
4 Masters of Mathematics, each 250 <i>l.</i>	-	1,000			
1 Professor of Fortification	-	500			
1 Instructor of Fortification, Pay, 400 <i>l.</i> ; Servants, 27 <i>l.</i>	{ Including	427			
	{ Regimental Pay.				
1 Instructor of Fortification, Pay, 350 <i>l.</i> ; Servants, 18 <i>l.</i>	{ Including	368			
	{ Regimental Pay.				
1 Instructor of Fortification	{ Including	350			
	{ Regimental Pay.				
1 Instructor of Fortification, Regimental Pay, 281 <i>l.</i> ; Extra Pay, 91 <i>l.</i>	-	372			
1 Instructor of Fortification, Regimental Pay, 201 <i>l.</i> ; Extra Pay, 91 <i>l.</i>	-	292			
1 Professor of Military Surveying, Pay, 272 <i>l.</i> ; Forage, 43 <i>l.</i>	{ In addition to	315			
	{ Half-Pay.				
1 Instructor of Military Surveying	{ In addition to	172			
	{ Half-pay.				
4 Instructors of Military Surveying, each 300 <i>l.</i>	{ Including	1,200			
	{ Regimental Pay.				
1 Instructor of Military History	-	400			
1 Instructor of Military History	{ Including	350			
	{ Regimental Pay.				
1 Instructor of Military History, Regimental Pay, 201 <i>l.</i> ; Extra Pay, 91 <i>l.</i>	-	292			
1 Professor of Landscape Drawing	-	300			
1 Master of Landscape Drawing	-	150			
1 Professor of French	-	300			
1 Instructor of French	-	250			
2 Ditto ditto, each 200 <i>l.</i>	-	400			
1 Instructor of German	-	250			
1 Professor of Geology and Mineralogy	-	300			
1 Professor of Chemistry and Natural Philosophy	-	300			
Allowance in lieu of Fuel and Light to the above mentioned Educational Staff if in Quarters, and Lodging Allowance if not in Quarters-	-	728			
		9,416	-	11,489	
Carried forward	- - - £.	15,824	44,539	18,288	50,177

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—*continued.*

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65	
		£.	£.	£.	£.
Brought forward - - - - -		15,824	44,539	18,288	50,177
ROYAL MILITARY COLLEGE— <i>continued.</i>					
NON-COMMISSIONED OFFICERS AND MEN:					
	£.				
1 Serjeant-Major, 4 s. 2 d. a day - - - - -	76				
Allowance as Instructor of Musketry, 1 s. 6 d. a day - -	23				
1 Quartermaster-Serjeant, 4 s. 2 d. a day - - - - -	76				
Allowance as Acting Barrack Serjeant, 1 s. a day - - -	18				
1 Hospital Serjeant, 3 s. 6 d. a day - - - - -	64				
9 Staff Serjeants, 3 s. 2 d. a day each - - - - -	520				
1 Band Master, 5 s. a day; Lodging, 21 l. - - - - -	112				
1 Band Serjeant, 3 s. 2 d. a day - - - - -	58				
1 Band Corporal, 2 s. a day - - - - -	37				
12 Musicians { Pay 1 s. 6 d. a day each, and Good Con- }	465				
4 Buglers - { duct Pay - - - - - }	86				
1 Serjeant Major of Riding Troop, Pay 68 l.; extra 18 l.	86				
Allowance to Non-Commissioned Officers and Men of }	114				
the Riding Troop - - - - - }	200				
Allowance to Non-Commissioned Officers and Men em- }	77				
ployed on Instruction in Field Works - - - - - }	27				
1 Lithographer, Regimental Pay, &c., 2 s. 11½ d. a day; }	37				
extra 1 s. 3 d. - - - - - }	55				
1 Assistant to Professor in Chemistry, 1 s. 6 d. a day -	9				
1 Instructor in Gymnastics, 2 s. a day - - - - -	30				
2 Instructors in Gymnastics, each 1 s. 6 d. a day - -					
1 Storeman, 6 d. a day - - - - -					
Allowance to 3 Pay Serjeants - - - - -					
CIVILIAN SERVANTS:		2,084	- - -	2,600	
5 Clerks, 1 at 200 l., 1 at 170 l., 1 at 140 l., 1 at 130 l., 1 at 110 l.	750				
1 Librarian - - - - -	20				
1 Housekeeper - - - - -	60				
4 Assistant Housekeepers - - - - -	40				
2 Nurses - - - - -	70				
1 Armourer, at 3 s. a day - - - - -	55				
1 Clerk of the Kitchen, at 3 s. 6 d. a day - - - - -	64				
1 Cook - - - - -	25				
2 Assistant Cooks - - - - -	20				
Men Servants, 16 s. a week each - - - - -	1,500				
1 Messenger, 1 s. 6 d. a day - - - - -	27				
1 Lamplighter, 18 s. a week - - - - -	47				
1 Turncock, 2 s. 6 d. a day - - - - -	46				
1 Organist - - - - -	40				
1 Chapel Clerk - - - - -	10				
Singing Boys - - - - -	8				
9 Labourers - - - - -	343				
1 Assistant to Lithographer, at 1 s. a day - - - - -	16				
5 Porters, 16 s. a week each - - - - -	209				
Allowance in lieu of Fuel to Civilian Servants - - -	140				
EXPENSES OF STUDENTS AND PUPILS:		3,490	- - -	3,830	
Provisions and Maintenance of Cadets, including expenses }	9,500				
of 20 Queen's Cadets, and 20 Indian Cadets - - - }	1,125				
Washing - - - - -					
EXPENSES OF SERJEANTS AND SERVANTS:					
Provisions, Board Wages, &c. - - - - -	273				
Clothing - - - - -	353				
GENERAL EXPENSES:		11,251	- - -	12,823	
Rents, Rates, and Taxes - - - - -	596				
Fuel and Light - - - - -	1,070				
Furniture, Stores, &c. - - - - -	800				
Stores for Field Work Instruction - - - - -	113				
Purchase of Chemicals - - - - -	50				
Purchase of Geological Specimens - - - - -	20				
Hospital Expenses - - - - -	70				
Allowance to Professors on the Continent - - - - -	42				
Travelling Expenses - - - - -	30				
Miscellaneous Expenses and Contingencies - - - - -	400				
TOTAL ROYAL MILITARY COLLEGE - - - - - £.		3,101	- - -	3,274	
			35,840		40,815
Carried forward - - - - - £.		- - -	80,379	- - -	90,992

The Indian Government contributes a sum of 3,000 l. per annum, for the Education and Maintenance of 20 Queen's Cadets, nominated by the Secretary of State for India.

The Contributions of Students and of Friends of Gentlemen Cadets at Sandhurst, for the year ended 31st December 1864, which were paid into the Exchequer as an extra receipt, amounted to 18,098 l.

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—continued.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward - - -		-	80,379	-	90,992
STAFF COLLEGE, SANDHURST:					
MILITARY BRANCH:					
Commandant, Pay 502 l.; Servants, { In addition to	£.				
Forage, Fuel, 146 l. - - - - - { Half Pay.	648				
Adjutant, Pay 302 l., Servants, Forage, Fuel, 88 l. -	290				
		1,038	- - -	1,038	
EDUCATIONAL BRANCH:					
1 Professor of Mathematics, Pay 400 l.; Lodging, 55 l. -	455				
1 Master of Mathematics, Pay 200 l.; Fuel, 17 l. -	217				
1 Professor of Military Art and History, {					
Pay 500 l.; Forage and Fuel, 60 l. -	560				
1 Professor of Fortification and Artillery, { Including					
Pay 500 l.; Forage, Fuel, 60 l. - - - - - { Regimental	560				
1 Professor of Military Drawing and { Topography, Pay 400 l.; Servants, {					
Forage, Lodging, 125 l. - - - - - { Pay.	525				
1 Professor of Military Administration and Law, Pay -					
400 l.; Lodging 55 l. - - - - - {	455				
1 Professor of French, Pay 350 l.; Fuel, 17 l. -	367				
Ditto - German, Pay 350 l.; Lodging, 55 l. -	405				
Ditto - Hindustani, Pay 350 l.; Lodging, 55 l. -	405				
		3,949	- - -	3,949	
NON-COMMISSIONED OFFICERS AND MEN:					
1 Quartermaster Serjeant, Pay 4 s. 2 d. a day - - -	76				
1 Serjeant Instructor of Artillery, Pay, &c., 4 s. 5 d. a day	81				
Allowance to Non-Commissioned Officers and Men of the {					
Riding Troop - - - - - {	63				
Allowance to Non-Commissioned Officers and Men em- {					
ployed on Field Work Instruction - - - - - {	200				
		420	- - -	366	
CIVILIAN SERVANTS:					
1 Clerk, Pay 130 l.; Fuel 9 l. - - - - -	139				
Allowance to Librarian - - - - -	15				
1 Messenger - - - - -	42				
5 Men Servants - - - - -	208				
1 Hall Porter - - - - -	42				
1 Labourer - - - - -	37				
		483	- - -	412	
EXPENSES OF STUDENTS AND PUPILS:					
Forage Allowance to 30 Students - - - - -	1,004				
Servants' - ditto - - - - -	548				
Allowance in Aid of Mess Fund - - - - -	170				
Fuel and Light, allowance of Married Students - - -	72				
Expenses of Military Reconnaissance - - - - -	50				
		1,844	- - -	1,794	
EXPENSES OF SERJEANTS AND SERVANTS:					
Clothing - - - - -	42				
		42	- - -	42	
GENERAL EXPENSES:					
Rates and Taxes - - - - -	19				
Fuel and Light - - - - -	438				
Furniture - - - - -	83				
Stores for Field Work Instruction, &c. - - - - -	158				
Purchase of Chemicals - - - - -	20				
Hospital Expenses - - - - -	10				
Allowance to a Professor travelling on the Continent -	26				
Contingencies and Travelling Expenses of Staff - -	140				
		894	- - -	1,085	
TOTAL FOR STAFF COLLEGE - - - - - £.		- - -	8,670	- - -	8,686
Carried forward - - - - - £.		- - -	89,049	- - -	99,678

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—*continued.*

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	-	89,049	-	99,678
REGIMENTAL AND GARRISON SCHOOLS AND LIBRARIES:				
SCHOOLS:				
3 Assistant Inspectors in Great Britain and Ireland, } at 500 l. each per annum - - - - - }	1,500		1,500	
2 Local Inspectors in the Mediterranean, { In addition to at 3 s. each a day - - - - - { Regimental pay. }	110		164	
1 Superintendent of Schools, Woolwich District, Quarter- master, Royal Artillery - - - - - }	189		189	
19 Superintending and First Class Schoolmasters, at 8 s. each per diem, including Servants' allowance - }	2,774		17,629	
195 Schoolmasters, from 2 s. to 6 s. 6d. each per diem -	14,383			
21 First Class Schoolmistresses, 2 at 50 l., and 20 at 36 l. each per annum - - - - - }	820		784	
30 Second Class Schoolmistresses, at 30 l. each per annum - - - - - }	900		930	
118 Third Class Schoolmistresses, at 24 l. each per annum	2,832		3,024	
24 Acting Schoolmasters - - - - -	329		903	
44 Acting Schoolmistresses - - - - -	688		544	
Detachment Schoolmasters, and Soldier Assistants - -	2,779		2,500	
Pupil Teachers and Monitresses - - - - -	737		663	
Pay of Permanent Orderlies, and Servants' allowance to Superintending Schoolmasters - - - - - }	550		550	
Charge for training Schoolmistresses - - - - -	50		100	
Outfit allowance to Superintending Schoolmasters - -	300		400	
Travelling and Contingent Expenses of Assistant In- spectors, Superintending Schoolmasters, and others - }	600		600	
For the purchase of Industrial Materials - - - - -	1,500		1,500	
For the purchase of Apparatus for illustrating Lectures -	400		400	
Special allowance to Schools at Gambia and Ceylon -	120		120	
For the repair of School Books - - - - -	100		100	
LIBRARIES AND READING ROOMS:				
An allowance of 2 l. 10 s. per annum to each Troop, } Battery, or Company on the British Establishment - }	3,938		3,800	
Pay of Librarians of "Victoria" and "Prince Consort" } Libraries, Aldershot, 3 s. 6 d. and 3 s. 7 d. a day - }	129		129	
Pay of 11 Librarians, at 2 s. each per diem - - - -	402		402	
Allowances, &c. of Librarians, and the cost of Games for Troops proceeding to the Colonies - - - - - }	80		60	
SPECIAL ALLOWANCES:				
Foot Guards, for Recreation Rooms, at 1 l. 10 s. per Co. -	105		105	
Coast Brigade, Royal Artillery - - - - -	20		20	
Royal Artillery, Shoeburyness - - - - -	15		15	
Schools of Musketry and Recruiting Staff - - - -	20		20	
Tower Library - - - - -	8		8	
TOTAL REGIMENTAL AND GARRISON } SCHOOLS AND LIBRARIES - - - } £.	-	36,378	-	37,159
Carried forward - - - £.	-	125,427	-	136,837

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—continued.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward - - -		-	125,427	-	136,837
ROYAL MILITARY ASYLUM, AND NORMAL SCHOOL:					
MILITARY BRANCH:					
Commandant - - - - -	In addition {	£.			
Secretary, and Adjutant - - - - -	to Half-pay. }	300			
Quartermaster - - - - -		183			
Paymaster - - - - -		180			
Medical Officer, pay 11s. 6d. a day; Servant, 1s. a day		100			
Dispenser, 7s. 6d. a day - - - - -		228			
Chaplain, pay 17s. 6d. a day; Servant, 1s. a day; lodging, 4s. 6d. a day - - - - -		137			
		420			
EDUCATIONAL BRANCH:					
Head Master, Normal School - - - - -		1,548		1,490	
Assistant Master - ditto - - - - -					
Upper Master, Model School - - - - -					
First Master - ditto - - - - -					
Second Master - ditto - - - - -					
Third Master - ditto - - - - -					
Infant School Master, ditto - - - - -					
Instructor in Fortification - - - - -					
Ditto - in Chemistry - - - - -					
Ditto - in Singing - - - - -					
Ditto - in Drawing - - - - -					
Provisions for 7 Masters, at 2s. 6d. a day each - - -					
		319			
NON-COMMISSIONED OFFICERS AND MEN:					
2 Serjeant-Majors, at 3s. a day each - - - - -		1,928		1,828	
1 Quartermaster-Serjeant, 3s. a day - - - - -					
1 Hospital Serjeant, 1s. 10d. a day - - - - -					
1 Serjeant Master Tailor, 2s. 4d. a day - - - - -					
1 Serjeant Master Shoemaker, 2s. 4d. a day - - - - -					
6 Serjeant-Assistants, 1s. 10d. a day each - - - - -					
1 Serjeant-Porter, 2s. 10d. a day - - - - -					
4 Pioneer-Corporals, 2s. 6d. a day each - - - - -					
1 Pioneer-Corporal, 2s. 10d. a day - - - - -					
1 Pioneer - - - - -					
3 Company Corporals, 1s. 6d. a day each - - - - -					
1 Drum-Major, 2s. 4d. a day - - - - -					
1 Engineer - - - - -					
1 Serjeant (Clerk), 1s. 10d. a day - - - - -					
		33			
CIVILIAN SERVANTS:					
1 Band Master, 6s. a day - - - - -		985		939	
1 Housekeeper - - - - -					
4 Laundresses - - - - -					
3 Cooks - - - - -					
15 Nurses - - - - -					
		150			
EXPENSES OF STUDENTS AND PUPILS:					
Allowances to Pupil Teachers and Students - - - - -		416		425	
Ditto - Boys as Corporals - - - - -					
Provisions of - ditto - - - - -					
Clothing of - ditto - - - - -					
Laundry Expenses of ditto - - - - -					
		437			
EXPENSES OF SERJEANTS AND SERVANTS:					
Provisions - - - - -		8,527		7,923	
Clothing - - - - -					
		144			
GENERAL EXPENSES:					
Hospital Services - - - - -		816		834	
School Apparatus - - - - -					
Rates and Taxes - - - - -					
Contingencies - - - - -					
		482			
		1,037		967	
TOTAL for ROYAL MILITARY ASYLUM AND NORMAL SCHOOL					
		-	15,257	-	14,406
Carried forward - - - £.					
		-	140,684	-	151,243

Note.—The fuel and furniture of this Establishment are supplied by the Office of Works.

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—continued.

		ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	£.	£.	£.
Brought forward - - -		- - -	140,684	- - -	151,243
ROYAL HIBERNIAN MILITARY SCHOOL:					
MILITARY BRANCH:		£.			
Commandant, Pay 276 l. 18 s. 8 d.; Forage, 33 l. 14 s.	-	311			
Secretary, Adjutant and Assistant Treasurer, Pay, 193 l. 9 s. 4 d.; Forage, 33 l. 14 s.	-	227			
Surgeon, Pay 6 s. 6 d. a day; Servant, 1 s. a day	-	137			
Quartermaster, Pay 8 s. 6 d. a day	-	155			
Chaplain, Pay 230 l. 15 s. 8 d.; Forage, 15 l.	-	246			
Officiating Roman Catholic Clergyman	-	80			
Dispenser, Pay 7 s. 6 d. a day	-	137			
		1,293	- - -	1,293	
EDUCATIONAL BRANCH:					
Head Master	-	200			
Second ditto	-	130			
Third ditto	-	80			
Fourth ditto	-	70			
Singing Master	-	60			
Serjeant Instructor in Music	-	55			
Enlisted Schoolmaster, Pay 2 s. a day	-	37			
Infant Schoolmistress	-	9			
Provisions for 4 Schoolmasters at 2 s. 6 d., and 1 Schoolmaster at 1 s. a day	-	201			
		842	- - -	789	
NON-COMMISSIONED OFFICERS AND MEN:					
1 Serjeant Major, Pay 3 s. a day	-	55			
1 Quartermaster Serjeant, Pay 2 s. a day	-	37			
6 Serjeant-Assistants, 1 at 2 s. a day, 5 at 27 l. 14 s. a year	-	175			
1 Drum Major, Pay 1 s. 10 d. a day	-	33			
1 Hospital Serjeant, Pay 2 s. a day	-	37			
1 Serjeant Gate Porter, Pay 2 s. a day	-	37			
1 Serjeant Tailor	-	58			
1 Assistant ditto	-	43			
1 Instructor in Handicraft, Pay 2 s. 6 d. a day	-	46			
1 Sexton	-	6			
4 Pioneer Corporals, Pay 1 s. 6 d. a day each	-	110			
1 Institution Cook, Pay 1 s. a day	-	18			
1 Hospital Orderly, Pay 10 d. a day	-	15			
		670	- - -	612	
CIVILIAN SERVANTS:					
1 Matron, Pay 46 l. 3 s. 4 d.; commuted allowance for provisions, 27 l. 14 s.	-	74			
1 Institution Clerk	-	37			
1 Serjeant Gardener	-	28			
1 Laundry Engineer	-	36			
1 Organist and Workmistress	-	28			
1 Laundress	-	28			
7 Laundry Servants	-	50			
3 Kitchen Servants	-	20			
3 Nurses	-	20			
1 Hospital Nurse	-	12			
1 Hospital Servant	-	7			
1 Schoolmaster's Cook	-	10			
1 Assistant Institution Cook	-	10			
1 Sewing Machine Worker	-	18			
4 Servants and Labourers	-	68			
		446	- - -	458	
EXPENSES OF STUDENTS AND PUPILS:					
Allowances to Pupil Teachers	-	60			
Ditto - Boy Tailors	-	19			
Ditto - Monitors	-	76			
Provisions for ditto	-	201			
Clothing for ditto	-	77			
Provisions for 410 Boys	-	3,800			
Clothing for ditto	-	1,652			
		5,885	- - -	5,344	
EXPENSES OF SERJEANTS AND SERVANTS:					
Provisions	-	767			
Clothing	-	151			
		918	- - -	918	
Carried forward - - - £.		10,054	140,684	9,414	151,243

Vote 15.—DETAIL of the ESTABLISHMENTS for MILITARY EDUCATION—continued.

					ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
					£.	£.	£.	£.
Brought forward - - -					10,054	140,684	9,414	151,243
ROYAL HIBERNIAN MILITARY SCHOOL—contd.								
GENERAL EXPENSES:								
House Linen and Utensils	-	-	-	£.				
Fuel and Light	-	-	-	266				
Laundry Expenses	-	-	-	800				
Hospital Services	-	-	-	223				
Farm and Garden Expenses	-	-	-	100				
Contingencies	-	-	-	298				
				270	1,957		1,920	
TOTAL ROYAL HIBERNIAN MILITARY SCHOOL - - -					-	12,011	-	11,364
DEPARTMENT FOR INSTRUCTION OF ARTILLERY OFFICERS:								
1 Director - - -	{	Civil Pay 300 l.		Regimental Pay	410		410	
		Forage and						
		Lodging	109 l. 10 s.					
1 Assistant Director - -	{	Civil Pay 200 l. -		in addition.	241		200	
		Forage and						
		Lodging	41 l.					
1 Instructor in Topographical Sketching	{	Allowances			100		100	
		Drawing and Military						
1 Professor of Mathematics	-	{	Salary - - - 500 l.		555		555	
		{	Lodging Allowances 55 l.					
1 Lecturer on Chemistry	-	-	-		200		200	
1 Assistant to ditto	-	-	-		150		150	
1 German Master	-	-	-		50		50	
1 French Master	-	-	-		50		50	
1 Clerk, 4 s. 11 d. per diem	-	-	-		107		90	
Allowance to enable a proportion of the Officers to visit Fortifications, Public Works, and the Government Manufacturing Establishments, and Travelling Expenses	-	-	-		400		400	
For Lectures on Mechanics	-	-	-		200		200	
For Lectures on Metallurgy	-	-	-		200		200	
For purchase of specimens of Metals, &c. to illustrate Metallurgical Lectures	-	-	-		100		-	
For purchase of Furniture, Contingencies, &c.	-	-	-		100		100	
TOTAL FOR DEPARTMENT FOR INSTRUCTION OF ARTILLERY OFFICERS - - - } £.					-	2,863	-	2,705
MILITARY MEDICAL SCHOOL:								
1 Professor of Military Hygiene	-	-	-		700		700	
1 Professor of Military and Clinical-Military Medicine	-	-	-		700		700	
1 Professor of Military and Clinical-Military Surgery	-	-	-		700		700	
1 Professor of Pathology and Morbid Anatomy	-	-	-		700		600	
1 Assistant to ditto	-	-	-		200		200	
3 Staff Surgeons and 1 Staff Assistant Surgeon, Assistants to the Professors	-	-	-		1,241		1,241	
Allowance to ditto, for Servants, Forage, Fuel, and Light	-	-	-		380		500	
Contingent Expenses of the School and Museum	-	-	-		500		-	
Library Expenses	-	-	-		50		50	
Allowance to the Examiners of Candidates for the Medical Service	-	-	-		425		425	
Travelling and personal Allowances of the Professors	-	-	-		257		150	
Wages and Clothing of 17 Mess Waiters	-	-	-		93		110	
Pay and Lodging Allowance to 65 Probationers to supply vacancies among the Assistant Surgeons	-	-	-		1,996		3,225	
TOTAL FOR MILITARY MEDICAL SCHOOL - - - £.					-	7,942	-	8,601
TOTAL FOR ESTABLISHMENTS FOR MILITARY EDUCATION - - - } £.					-	163,500	-	173,883

Vote 16.

SURVEYS OF THE UNITED KINGDOM.

				Provided in VOTES 1, 3, and 2.	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
				£.	£.	£.	£.	£.
DIRECTOR*	-	-	-	-	1,345	1,345		
1 Brevet Colonel	-	-	-					
1 Lieutenant-Colonel	-	-	-	3,106	—			
5 Captains	-	-	-					
4 2d Captains	-	-	-		4,900			
4 Lieutenants	-	-	-					
1 Quartermaster	-	-	-					
85 Non-Commissioned Officers				3,788				
				5,513				
					10,385			
250 Rank and File	-	-	-		880			
				1,659				
350 Civil Assistants	-	-	-		38,355			
Superannuation for ditto	-	-	-	4,718				
325 Labourers	-	-	-		12,200			
						66,720		
Travelling Expenses of Officers	-	-	-		700			
„ others employed on Survey Duties	-	-	-		1,050			
							88,345	
Carriage of Stores	-	-	-		600			
Medical Bills	-	-	-		520			
Meresmen	-	-	-		220			
Rent of Offices	-	-	-		1,270			
Fuel, Light, &c.	-	-	-		370			
Instruments and Repairs	-	-	-		1,140			
Postage, Parcels, &c.	-	-	-		750			
Contingencies	-	-	-		1,060			
						7,680		
Publication of Maps	-	-	-		6,500†			
Stores	-	-	-		2,500			
Surveys for the Landed Estates Court, Ireland	-	-	-		2,500‡			
Engraving Geological Survey	-	-	-		600			
„ Geological Map of Great Britain	-	-	-		—			
Repairs to Survey Offices	-	-	-		500			
						12,600		88,345
TOTAL	-	-	-	£. 18,784	£. 88,345		£.	88,345
TOTAL COST OF SURVEYS					£. 107,129			

* Also Director of Topographical Department, included in Vote 18.
† This sum is covered by the sale of maps.
‡ This sum is covered by repayments into the Exchequer.

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 16) - - £. 88,345

Vote 17.

MISCELLANEOUS SERVICES.

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
ORDNANCE SELECT COMMITTEE, WOOLWICH:				
1 President - - - - In addition to Regimental Pay	857		828	
1 Vice-President (this Officer also receives Pay as a Naval Officer)	500		500	
4 Members of Committee:				
1 Member (paid by the Indian Government) - - -	—		—	
1 Ditto Regimental Pay 327 l., Civil Pay 300 l. -	627		627	
1 Ditto - - - - In addition to Unattached Pay -	300		300	
1 Ditto Regimental Pay 327 l., Civil Pay 300 l. -	627		590	
1 Secretary - - - - -	721		721	
1 Assistant Secretary - - - - -	471		441	
1 Quartermaster acting as Commissary of Stores - - -	198		198	
Detention Money for Officer to assist Committee in carrying out Experiments with Navez' Electro-ballistic Apparatus -	240		240	
2 Clerks, 1st Class - - - - -	198		192	
2 Clerks, 2d Class - - - - -	170		273	
3 Clerks, 3d Class - - - - -	233		236	
1 Temporary Clerk - - - - -	105		—	
1 Draughtsman, at 1 l. 10 s. a week - - - - -	79		79	
1 Armourer - - - - -	94		94	
4 Printers - - - - - In addition to Regimental Pay	73		73	
1 Assistant Printer - - - - -	46		39	
Messengers and Office Keeper - - - - -	87		87	
Custodian and Model Cleaners - - - - -	71		71	
Non-commissioned Officers and Gunners employed on Small Arms Experiments - - - - -	158		105	
Purchase of Types and Ink Rollers - - - - -	30		30	
Allowance in lieu of Lodging, Fuel and Servant to Quartermaster, and of Lodging to Non-commissioned Officers, Clerks and others - - - - -	151		143	
Travelling Expenses, including hire of Carriages - - -	400		400	
For the Purchase of Models, and general improvement of the Museums - - - - -	200		300	
Carriage of Parcels, Telegrams, Postage and Miscellaneous Expenses - - - - -	40		40	
TOTAL ORDNANCE SELECT COMMITTEE - - - - £.	—	6,676	—	6,607
COMMITTEE ON IRON PLATES:				
Salary of Secretary, 10 s. a day - - In addition to Regimental Pay	—		183	
Travelling Expenses - - - - -	—		70	
TOTAL - - - - £.	—	—	—	253
COMMITTEE ON ARMSTRONG AND WHITWORTH GUNS, &c.:				
Allowance to Civilian Members - - - - -	—		420	
Pay to Secretary - - - - - Regimental Pay in addition	—		385	
Probable Expense for a Clerk, and Contingencies - - -	—		675	
Travelling Expenses of Committee, &c. - - - - -	—		850	
TOTAL - - - - £.	—	—	—	2,330
GUN COTTON COMMITTEE:				
Allowance to Civilian Members and Travelling Expenses of the Committee - - - - -	500		—	
Pay of Experimental Officer, for the use of Navez' Electro-ballistic Apparatus, &c. - - -	183		—	
Pay of Secretary to the Committee - - - - -	183		—	
Non-commissioned Officers and Gunners employed on Experiments - - - - -	60		—	
Contingencies - - - - -	5		—	
TOTAL - - - - £.	—	931	—	—
EXPERIMENTAL SERVICES:				
Purchase of Stores for Experimental purposes generally, and for incidental Expenses connected with Experiments - -	24,000		24,000	
Experimental Services, to be rendered by the Manufacturing Departments - - - - -	21,000		30,000	
Purchase of Stores for Experimental Purposes for the Armstrong and Whitworth Committee - - - - -	—		10,000	
TOTAL - - - - £.	—	45,000	—	64,000
Rewards to Inventors - - - - -	5,000		3,000	
TOTAL - - - - £.	—	5,000	—	3,000
Carried forward - - - - £.	—	57,607	—	76,190

Vote 17.—MISCELLANEOUS SERVICES—continued.

	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£.	£.	£.	£.
Brought forward - - -	-	57,607	-	76,190
ROYAL ARTILLERY INSTITUTION, WOOLWICH:				
Salary of Secretary, at - - -	128		128	
Lodging Money to ditto - - -	41		41	
		169		169
Charge for the Guernsey and Jersey Militia, viz.:				
Guernsey - - - - -	2,076		2,076	
Jersey - - - - -	2,501		2,501	
Clothing for the Guernsey and Jersey Militia - - -	11,380		2,000	
		15,957		6,577
Maintenance of Telegraphs at Home and Abroad - - -	2,109		1,123	
Maintenance of Signal Establishments at Foreign Stations -	950		530	
Allowance to Warders and others in Charge of the Armouries, Tower of London, viz.:				
13 Warders - - - - -	£. 905			
1 Collector - - - - -	93			
2 Armoury Keepers - - - - -	157			
Allowances and Contingencies - - - - -	25			
	1,180		1,058	
Subscriptions to Civil Hospitals:				
St. Stephen's Hospital, Dublin - - - - -	£. s. 23 -			
St. George's Hospital, London - - - - -	10 10			
Westminster Hospital - - - - -	5 5			
Small Pox Hospital, London - - - - -	5 5			
	44		44	
Military Attachés Abroad, 500 <i>l.</i> a year, and 100 <i>l.</i> a year				
Lodging Money each - - - - -	1,800		-	
Expenses attendant upon carrying out the Act for the Pre- vention of Contagious Diseases at certain Naval and Military				
Stations (27 & 28 Vict. cap. 85) - - - - -	5,000		1,865	
Expenses connected with the Instruction of Soldiers in Trades and Callings - - - - -	1,000		-	
Grants in Aid of Churches, Schools, &c.:				
Towards the Restoration of Church at Egg				
Buckland - - - - -	100 -			
Annual Grants—Churches:				
St. Paul's, Devonport - - - - -	40 -			
St. Mary's, Woolwich - - - - -	20 -			
Plumstead - - - - -	25 -			
Annual Grants—Schools:				
Plumstead - - - - -	25 -			
Dale Point (Milford) - - - - -	3 -			
Charlton - - - - -	10 -			
Hythe (to National Schoolmasters for teaching Non-Commissioned Officers in the evening) -	29 -			
Hythe (to the School for teaching Children of Non-Commissioned Officers) - - - - -	15 -			
Yorktown (Sandhurst) - - - - -	10 -			
Dymchurch - - - - -	1 1			
Weedon - - - - -	3 3			
Cork - - - - -	10 -			
Fleetwood - - - - -	35 -			
Holy Trinity, Pimlico - - - - -	20 -			
Hound, Netley - - - - -	5 -			
	342		1,560	
Law Charges for Costs, &c. including Law Agency - - -	6,000		6,000	
Advertisements for all Services:				
At Home - - - - -	£. 1,930 -			
Abroad - - - - -	2,070 -			
	4,000		4,000	
Subscription to the Royal United Service Institution - - -	300		400	
Commission granted to Local Banks for the Supply of Specie -	400		500	
Allowance to Martello Tower-keepers - - - - -	300		386	
Compensation to Officers and Men for Losses - - - - -	4,000		7,000	
Field Allowance - - - - -	5,000		18,000	
Pay to Staff for German Military Settlers at the Cape of Good Hope - - - - -	-		1,078	
Salary and Forage Allowance of Superintendent of Hilsea Estate	113		113	
Salary of Inspector of Regimental Colours - - - - -	60		60	
Taking Surveys and Remains of Stores - - - - -	600		500	
Cost of Medals - - - - -	500		1,000	
Miscellaneous - - - - -	269		-	
		33,967		45,167
TOTAL - - - - -	£.	107,700	-	128,103

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 17) - - - £. 107,700

VOTE 18.—ADMINISTRATION OF THE ARMY—continued.

				ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
				£.	£.
Brought forward - - -				163,556	174,480
DEPARTMENT OF THE FIELD MARSHAL COMMANDING IN CHIEF;					
Nos.				£. s. d.	
1	Field Marshal Commanding in Chief, at 9 <i>l.</i> 9 <i>s.</i> 6 <i>d.</i> per day	{ Pay	- - - - -	3,458 7 6 }	4,432
		{ Allowance for forage	- - - - -	973 6 8 }	4,432
1	Military Secretary - - - - -	{ Pay	- - - - -	2,000 - - }	2,243
		{ Allowance for forage	- - - - -	243 6 8 }	2,244
1	Assistant Military Secretary for Indian Affairs - - - - -				
4	Aides de Camp, each 9 <i>s.</i> 6 <i>d.</i> - - - - -	{ Pay	- - - - -	693 10 - }	1,642
		{ Allowance for forage, lodging, &c.	- - - - -	948 8 - }	1,405
1	Extra Aide de Camp - - - - -	{ Allowance for forage	- - - - -	182 10 - }	183
1	Private Secretary to the Field Marshal Commanding in Chief - - - - -				365
1	Adjutant General, at 3 <i>l.</i> 15 <i>s.</i> 10 <i>d.</i> per day - - - - -	{ Pay	- - - - -	1,383 19 2 }	1,877
		{ Allowance for forage and lodging	- - - - -	493 6 8 }	1,999
4	Deputy Adjutants General, each 1 <i>l.</i> 17 <i>s.</i> 11 <i>d.</i> per day - - - - -	{ Pay	- - - - -	2,767 18 4 }	4,148
		{ Allowance for servants, forage, lodg- ing, &c.	- - - - -	1,380 - - }	4,071
2	Assistant Adjutants General, at 19 <i>s.</i> per day - - - - -	{ Pay	- - - - -	693 10 - }	1,200
		{ Allowance for forage, lodging, &c.	- - - - -	506 16 8 }	1,100
1	Assistant Adjutant General, at 14 <i>s.</i> 3 <i>d.</i> per day - - - - -	{ Pay	- - - - -	260 1 3 }	415
		{ Allowance for servants, forage, lodg- ing, &c.	- - - - -	154 15 - }	342
2	Deputy Assistant Adjutants General, each 14 <i>s.</i> 3 <i>d.</i> per day - - - - -	{ Pay	- - - - -	520 2 6 }	806
		{ Allowance for servants, forage, lodg- ing, &c.	- - - - -	285 9 4 }	830
1	Quartermaster General, at 3 <i>l.</i> 15 <i>s.</i> 10 <i>d.</i> per day - - - - -	{ Pay	- - - - -	1,383 19 2 }	1,877
		{ Allowance for forage and lodging	- - - - -	493 6 8 }	1,999
1	Deputy Quartermaster General, at 1 <i>l.</i> 17 <i>s.</i> 11 <i>d.</i> per day - - - - -	{ Pay	- - - - -	691 19 7 }	1,074
		{ Allowance for forage, lodging, &c.	- - - - -	382 10 - }	1,074
1	Assistant Quartermaster General, at 19 <i>s.</i> per day - - - - -	{ Pay	- - - - -	346 15 - }	568
		{ Allowance for forage and lodging	- - - - -	221 13 4 }	568
1	Assistant Quartermaster General, at 14 <i>s.</i> 3 <i>d.</i> per day - - - - -	{ Pay	- - - - -	260 1 3 }	530
		{ Allowance for servants, forage, lodging, &c.	- - - - -	276 8 4 }	482
1	Deputy Assistant Quartermaster General, at 14 <i>s.</i> 3 <i>d.</i> per day	{ Pay	- - - - -	260 1 3 }	403
		{ Allowance for forage and lodging	- - - - -	142 14 8 }	403
The above Officers receive, in addition, the Full Pay, Unattached Pay, or Half Pay, of their respective Military Ranks.				21,769	21,314
Numbers.					
1864-5.	1865-6.			£.	
2	2	Assistants to the Military Secretary - - - - -		1,800	
4	4	Clerks, 1st class, 500 <i>l.</i> to 700 <i>l.</i> per annum - - - - -		2,445	
6	6	Ditto, 2d class, 300 <i>l.</i> to 500 <i>l.</i> per annum - - - - -		2,277	
13	13	Ditto, 3d class, 90 <i>l.</i> to 300 <i>l.</i> per annum - - - - -		1,868	
—	—	Confidential clerk, allowance to - - - - -		50	
1	1	Telegraph clerk - - - - -		120	
2	2	Clerks, supernumerary - - - - -		219	
1	1	Officekeeper - - - - -		130	
1	1	Housekeeper - - - - -		84	
7	7	Messengers - - - - -		610	
—	—	Wages of servants, and miscellaneous expenses - - - - -		525	
37	37			10,128	9,820
OFFICE OF THE ADJUTANT GENERAL:					
1	1	Principal clerk - - - - -		700	
6	6	Clerks, 1st class, 365 <i>l.</i> to 500 <i>l.</i> - - - - -		2,589	
10	10	Ditto, 2d class, 210 <i>l.</i> to 350 <i>l.</i> - - - - -		2,708	
12	12	Ditto, 3d class, 90 <i>l.</i> to 200 <i>l.</i> - - - - -		1,510	
6	6	Temporary clerks - - - - -		625	
—	—	Confidential clerk, allowance to - - - - -		50	
1	1	Officekeeper (servants, &c.) - - - - -		202	
5	5	Messengers - - - - -		349	
—	—	Wages of servants, and miscellaneous expenses - - - - -		155	
—	—	{ Pay of one Quartermaster and Soldier clerks employed in the office of the Deputy Adjutant General Royal Artillery, and of Soldier clerks em- ployed in the Office of the Deputy Adjutant General Royal Engineers }		3,593	
41	41			12,481	12,830
OFFICE OF THE QUARTERMASTER GENERAL:					
1	1	Principal clerk, 500 <i>l.</i> to 600 <i>l.</i> - - - - -		505	
2	2	Clerks, 1st class, 365 <i>l.</i> to 500 <i>l.</i> - - - - -		884	
4	4	Ditto, 2d class, 210 <i>l.</i> to 350 <i>l.</i> - - - - -		1,058	
5	5	Ditto, 3d class, 90 <i>l.</i> to 200 <i>l.</i> - - - - -		615	
4	4	Temporary clerks - - - - -		406	
—	—	Confidential clerk, allowance to - - - - -		100	
1	1	Military Draughtsman - - - - -		180	
1	1	Officekeeper - - - - -		100	
1	1	Housekeeper - - - - -		50	
3	3	Messengers - - - - -		260	
—	—	Wages of servants, and miscellaneous expenses - - - - -		208	
22	22			4,366	4,440
Travelling Expenses and Contingencies - - - - -				500	500
TOTAL for HORSE GUARDS - - -				49,244	48,904
TOTAL - - - £.				212,800	223,384

Amount of Estimate for 1865-66 (VOTE 18) - - - £. 212,800.

PART VI.

NON-EFFECTIVE SERVICES.

	Page.	ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£.	£.
Vote 19. REWARDS FOR MILITARY SERVICE - - -	70	26,100	26,020
Vote 20. PAY OF GENERAL OFFICERS - - - -	89	74,200	75,400
Vote 21. PAY OF REDUCED AND RETIRED OFFICERS AND HALF PAY - - - - -	90	455,000	449,471
Vote 22. WIDOWS' PENSIONS AND COMPASSIONATE ALLOW- ANCES - - - - -	96	162,100	162,986
Vote 23. PENSIONS AND ALLOWANCES TO WOUNDED OF- FICERS - - - - -	98	28,200	29,663
Vote 24. IN-PENSIONS (CHELSEA AND KILMAINHAM HOS- PITALS) - - - - -	99	33,200	33,260
Vote 25. OUT-PENSIONS - - - - -	101	1,168,000	1,161,812
Vote 26. SUPERANNUATION ALLOWANCES, &c. - - -	103	131,000	136,332
Vote 27. DISEMBODIED MILITIA AND YEOMANRY CAVALRY	105	29,000	31,213
TOTAL - - - £.		2,106,800	2,106,157

NON-EFFECTIVE SERVICES.

Vote 19.

REWARDS FOR DISTINGUISHED SERVICES, &c.

DETAIL of the CHARGE of ALLOWANCES as REWARDS for Distinguished SERVICES; of Allowances to Officers of Her Majesty's Garrisons at Home and Abroad, holding their Appointments as Rewards for Military Service, including the Garrison of the Tower of London; of Allowances to Serjeants as Rewards for Distinguished or Meritorious Service; and of Allowances to Non-commissioned Officers and Privates upon whom the Distinction of the Victoria Cross has been conferred; from the 1st April 1865 to the 31st March 1866.

	Date of First Grant.	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
		£.	s.	d.	£.	s.	d.
General (221) Sir Hew Dalrymple Ross, G.C.B. - - - - -	1813	91	5	-	91	5	-
(221) Sir Robert William Gardiner, K.C.B., K.C.H. - - - - -	1813	-	-	-	91	5	-
Robert Douglas, C.B. - - - - -	1813	91	5	-	91	5	-
Sir John F. Burgoyne, Bart., G.C.B. - - - - -	1813	365	-	-	365	-	-
Helier Touzel - - - - -	1844	200	-	-	200	-	-
Cesmo Gordon - - - - -	1851	200	-	-	200	-	-
Thomas John Forbes - - - - -	1863	456	5	-	456	5	-
Lieutenant-General John Drummond - - - - -	1853	100	-	-	100	-	-
Sir John R. Eustace, K.H. - - - - -	1861	-	-	-	100	-	-
Major-General John R. Smyth, C.B. - - - - -	1854	100	-	-	100	-	-
Frederick Horn, C.B. - - - - -	1855	100	-	-	100	-	-
Hon. A. A. Spencer, C.B. - - - - -	1855	100	-	-	100	-	-
Sir C. T. Van Straubenzee, K.C.B. - - - - -	1855	100	-	-	100	-	-
(221) John Fitzmaurice, K.H. - - - - -	1855	100	-	-	100	-	-
John Grattan, C.B. - - - - -	1855	100	-	-	100	-	-
Horatio Shirley, C.B. - - - - -	1855	100	-	-	100	-	-
Art. J. Lawrence, C.B. - - - - -	1855	100	-	-	100	-	-
Lord G. A. F. Paget, C.B. - - - - -	1855	100	-	-	100	-	-
Sir William Brereton, K.C.B., K.H. - - - - -	1856	-	-	-	100	-	-
John Edward Dupuis, C.B. - - - - -	1856	100	-	-	100	-	-
(221) William Bell - - - - -	1856	100	-	-	100	-	-
William Parlbay - - - - -	1856	100	-	-	100	-	-
William Sullivan, C.B. - - - - -	1856	100	-	-	100	-	-
Terence O'Brien - - - - -	1856	100	-	-	100	-	-
Frederick Holt Robe, C.B. - - - - -	1856	100	-	-	100	-	-
Sir Henry Knight Storks, G.C.B., G.C.M.G. - - - - -	1856	100	-	-	100	-	-
(221) Thomas Charlton Smith - - - - -	1856	100	-	-	100	-	-
Edward Cooper Hodge, C.B. - - - - -	1856	100	-	-	100	-	-
James Robert Young - - - - -	1857	-	-	-	100	-	-
E. W. Forestier Walker, C.B. - - - - -	1857	100	-	-	100	-	-
Thomas A. Drought - - - - -	1857	100	-	-	100	-	-
Charles William Ridley, C.B. - - - - -	1857	100	-	-	100	-	-
Charles Trollope, C.B. - - - - -	1857	100	-	-	100	-	-
Henry John French - - - - -	1857	100	-	-	100	-	-
E. R. Hill - - - - -	1857	100	-	-	100	-	-
Walter Hamilton, C.B. - - - - -	1857	100	-	-	100	-	-
Poole V. England - - - - -	1858	100	-	-	100	-	-
M. C. Johnstone - - - - -	1858	-	-	-	100	-	-
Robert Henry Louth, C.B. - - - - -	1858	100	-	-	100	-	-
(221) Robert Law, K.H. - - - - -	1858	-	-	-	100	-	-
David Russell, C.B. - - - - -	1858	100	-	-	100	-	-
Sir Robert Walpole, K.C.B. - - - - -	1858	100	-	-	100	-	-
William Jones, C.B. - - - - -	1858	100	-	-	100	-	-
William Sutton, C.B. - - - - -	1858	-	-	-	100	-	-
Charles Steuart, C.B. - - - - -	1858	100	-	-	100	-	-
(221) Richard Hardinge - - - - -	1859	-	-	-	100	-	-
(221) W. C. Anderson - - - - -	1859	50	-	-	50	-	-
A. A. T. Cunnyngame, C.B. - - - - -	1859	100	-	-	100	-	-
Carried forward - - - - -	£.	4,753	15	-	5,545	-	-

Vote 19.—REWARDS for Distinguished Services, &c.—continued.

	Date of First Grant.	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
		£.	s.	d.	£.	s.	d.
Brought forward	- - -	4,753	15	-	5,545	-	-
Major-General Thomas Foster	1859	135	-	-	135	-	-
Lord Frederick Paulet, C.B.	1860	100	-	-	100	-	-
Thomas Gordon Higgins	1860	100	-	-	100	-	-
Horatio Nelson Vigors	1860	-	-	-	100	-	-
Charles William Morley Balders, C.B.	1860	100	-	-	100	-	-
Edward Basil Brooke	1860	100	-	-	100	-	-
William James D'Urban	1860	100	-	-	100	-	-
E. Pole	1860	100	-	-	100	-	-
John Macduff, C.B.	1860	100	-	-	100	-	-
John Walpole	1860	-	-	-	100	-	-
Michael Wm. Smith, C.B.	1860	100	-	-	100	-	-
W. A. Le Mesurier	1861	100	-	-	100	-	-
John H. Bainbrigge	1861	100	-	-	100	-	-
(20A) Wm. Bates Ingilby	1861	91	5	-	91	5	-
W. G. Browne	1861	100	-	-	100	-	-
P. M. N. Guy, C.B.	1861	100	-	-	100	-	-
(20A) James Kerr Ross	1862	100	-	-	100	-	-
John Longfield, C.B.	1862	100	-	-	100	-	-
William James King	1862	-	-	-	100	-	-
(20A) Henry Keane Bloomfield	1862	100	-	-	100	-	-
Henry Cooper	1862	100	-	-	100	-	-
Charles Ashmore	1862	100	-	-	100	-	-
George Staunton	1862	100	-	-	100	-	-
Matthew Smith	1862	100	-	-	100	-	-
Henry Pester	1863	100	-	-	100	-	-
Henry Bates	1863	100	-	-	100	-	-
Henry Jervis	1863	100	-	-	100	-	-
Colonel Edward W. C. Wright	1852	100	-	-	100	-	-
Thomas H. Pearson	1854	100	-	-	100	-	-
Sir J. M. Wilson, C.B., K.H.	1854	100	-	-	100	-	-
W. O'Grady Haly, C.B.	1855	100	-	-	100	-	-
H. C. B. Daubeney, C.B.	1855	100	-	-	100	-	-
Frank Adams, C.B.	1855	100	-	-	100	-	-
J. T. Mauleverer, C.B.	1855	100	-	-	100	-	-
James P. Sparks, C.B.	1855	100	-	-	100	-	-
Luke S. O'Connor, C.B.	1855	100	-	-	100	-	-
Lawrence Fyler	1856	100	-	-	100	-	-
(V.C.) Collingwood Dickson, C.B.	1856	100	-	-	100	-	-
W. S. R. Norcott, C.B.	1856	100	-	-	100	-	-
G. T. Finucane	1856	100	-	-	100	-	-
John Thornton Grant, C.B.	1856	100	-	-	100	-	-
John M. Adye, C.B.	1856	100	-	-	100	-	-
Arthur Borton, C.B.	1857	100	-	-	100	-	-
Daniel Lysons, C.B.	1857	100	-	-	100	-	-
George Campbell, C.B.	1858	100	-	-	100	-	-
Sir John Jones, K.C.B.	1858	100	-	-	100	-	-
F. E. Chapman, C.B.	1858	100	-	-	100	-	-
Sir A. H. Horsford, K.C.B.	1859	100	-	-	100	-	-
E. H. Greathed, C.B.	1859	100	-	-	100	-	-
James Creagh	1859	100	-	-	100	-	-
Edward Last	1860	100	-	-	100	-	-
C. A. Edwards, C.B.	1860	100	-	-	100	-	-
Sir R. D. Kelly, K.C.B.	1860	100	-	-	100	-	-
Sir John Douglas, K.C.B.	1860	100	-	-	100	-	-
Henry Dunn O'Halloran	1860	100	-	-	100	-	-
Frederick Darley George, C.B.	1860	100	-	-	100	-	-
Archibald Little, C.B.	1860	100	-	-	100	-	-
William Parke, C.B.	1860	100	-	-	100	-	-
William Devenish Deverell	1860	100	-	-	100	-	-
John William Gordon, C.B.	1860	100	-	-	100	-	-
Hon. St. George G. Foley	1860	100	-	-	100	-	-
Archd. Inglis Lockhart, C.B.	1860	100	-	-	100	-	-
Rodolph De Salis, C.B.	1860	100	-	-	100	-	-
Henry R. Jones, C.B.	1860	100	-	-	100	-	-
Geo. M. Reeves, C.B.	1860	100	-	-	100	-	-
C. W. D. Staveley, C.B.	1861	100	-	-	100	-	-
E. Haythorne	1861	100	-	-	100	-	-
J. R. Stuart, C.B.	1861	100	-	-	100	-	-
A. Macdonell, C.B.	1861	100	-	-	100	-	-
T. Pattle, C.B.	1861	100	-	-	100	-	-

Carried forward - - £. 11,480 - - 12,571 5 -

VOTE 19.—REWARDS for Distinguished Services, &c.—continued.

	Date of First Grant.	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
		£.	s.	d.	£.	s.	d.
Brought forward - - -	- - -	11,480	-	-	12,571	5	-
Colonel W. N. Custance, C.B. - - -	1861	100	-	-	100	-	-
W. L. Earl of Longford, K.C.B. - - -	1861	100	-	-	100	-	-
E. R. Wetherall, C.B. - - -	1861	100	-	-	100	-	-
G. V. Maxwell, C.B. - - -	1861	100	-	-	100	-	-
W. Drysdale, C.B. - - -	1861	100	-	-	100	-	-
Arthur Scudamore, C.B. - - -	1861	100	-	-	100	-	-
H. Aime Ouvry, C.B. - - -	1861	100	-	-	100	-	-
Henry Hope Graham, C.B. - - -	1862	100	-	-	100	-	-
E. R. Jeffreys, C.B. - - -	1862	100	-	-	100	-	-
H. D. Harness, C.B. - - -	1862	100	-	-	100	-	-
S. T. Christie, C.B. - - -	1862	100	-	-	100	-	-
John Yorke, C.B. - - -	1862	100	-	-	100	-	-
A. E. F. Holcombe - - -	1862	100	-	-	100	-	-
A. Barry Montgomery, C.B. - - -	1862	100	-	-	100	-	-
Charles Herbert, C.B. - - -	1862	100	-	-	100	-	-
William K. Stuart, C.B. - - -	1862	100	-	-	100	-	-
James Talbot Airey, C.B. - - -	1863	100	-	-	100	-	-
Robt. N. Tinley - - -	1863	100	-	-	100	-	-
Henry Bingham - - -	1863	100	-	-	100	-	-
Arnold Charles Errington - - -	1863	100	-	-	100	-	-
William Munro, C.B. - - -	1863	100	-	-	100	-	-
Thomas Williams, C.B. - - -	1863	100	-	-	100	-	-
John Lintorn Arabin Simmonds, C.B. - - -	1863	100	-	-	100	-	-
Alfred F. W. Wyatt, C.B. - - -	1863	100	-	-	100	-	-
Jas. Robt. Brunker - - -	1863	100	-	-	100	-	-
Lieutenant-Colonel Tyrrell Matthias Byrne - - -	1857	50	-	-	50	-	-
Captain B. H. Edwards - - -	1863	50	-	-	50	-	-
Quartermaster James Murray (Captain) - - -	1842	80	-	-	80	-	-
Thomas Willock Edwards (Captain) - - -	1843	70	-	-	70	-	-
Samuel Barnes, (Captain) - - -	1843	80	-	-	80	-	-
John Payne (Captain) - - -	1855	80	-	-	80	-	-
John Lilley (Captain) - - -	1860	50	-	-	50	-	-
(201) Samuel Goddard - - -	1861	34	9	5	34	9	5
(201) Charles Grant - - -	1861	38	18	4	38	18	4
John Morgan (Captain) - - -	1862	40	12	11	40	12	11
Inspector-General of Hospitals, Sir John Hall, K.C.B., M.D. - - -	1859	100	-	-	100	-	-
Sir John MacGregor, K.C.B., M.D. - - -	1859	100	-	-	100	-	-
James Henderson, M.D. - - -	1859	100	-	-	100	-	-
		14,854	-	8	15,945	5	8
	£. s. d.						
Balance unappropriated last year - - -	586	17	10				
Vacant by the death of Major-General R. Walpole - - -	100	-	-				
Ditto - - - ditto - W. Sutton - - -	100	-	-				
Ditto - - - ditto - W. J. King - - -	100	-	-				
Ditto - - - ditto - H. N. Vigors - - -	100	-	-				
Ditto - - - ditto - Sir R. W. Gardiner - - -	91	5	-				
Ditto - - - ditto - R. Hardinge - - -	100	-	-				
Ditto - - - Lieutenant-General Sir J. R. Eustace - - -	100	-	-				
Ditto - - - Major-General H. Palliser - - -	100	-	-				
Ditto - - - The Town Major of Belfast - - -	88	17	8				
Ditto - - - Gunner T. Long, Walmer - - -	5	8	6				
Ditto - - - Warden Hollis, Isle of Wight - - -	12	3	4				
Vacant by the appointment of Major-General Sir W. Brereton to be Colonel } Commandant of Royal Artillery - - - }	100	-	-				
And by the appointment of the following Officers to Colonelcies of Regiments:							
Major-General R. Law - - - to 2d West India Regt.	100	-	-				
" M. C. Johnstone - - - to 88th Foot	100	-	-				
" J. R. Young - - - to 80th Foot	100	-	-				
£.	1,884	12	4				
Carried forward - - -	£.	14,854	-	8	15,945	5	8

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

		ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£. s. d.	£. s. d.
Brought forward - - -		14,854 - 8	15,945 5 8
Colonel RICHARD WADDY, C. B. - - - - -		100 - -	
Ensign - - - 50th Foot - - - 17 Aug. 1832	Served with the 50th Foot at the battle of Punniar (medal); in the Eastern campaign of 1854-55 in command of his regiment, including the battles of the Alma, Inkerman, and siege of Sebastopol; mentioned in Lord Raglan's Despatches for distinguished conduct in command of the trenches when the enemy made a sortie in force; wounded in the trenches on 13 October 1864 (medal and clasps, Companion of the Bath, Knight of the Legion of Honour, Sardinian and Turkish medals, and 4th class of the Medjidie).		
Lieutenant - - ditto - - - 4 May 1836			
Adjutant - - ditto - - - 18 June 1841			
Captain - - ditto - - - 18 Nov. 1851			
Major - - ditto - - - 14 Feb. 1852			
Lieut.-Colonel - ditto - - - 3 Mar. 1854			
Colonel - - Brevet - - - 28 Nov. 1854			
Colonel EDWARD A. G. MULLER - - - - -		100 - -	
Ensign - - - 1st Foot - - - 8 Feb. 1820	Served with the 1st Foot in the Burmese war, under Sir Archibald Campbell (medal).		
Lieutenant - - ditto - - - 11 Aug. 1825			
Captain - - ditto - - - 11 Jan. 1833			
Major - - Brevet - - - 9 Nov. 1846			
Lieut.-Colonel - Brevet - - - 20 June 1854			
Major - - 1st Foot - - - 29 Dec. 1854			
Major - Depôt Battalion - - 12 Jan. 1855			
Major - - Unattached - - 8 Jan. 1856			
Major - Depôt Battalion - - 1 Oct. 1856			
Colonel - - Brevet - - - 26 Oct. 1858			
Lieut.-Colonel - Depôt Battalion - 3 Aug. 1860			
Colonel RALPH BUDD - - - - -		100 - -	
Ensign - - - 14th Foot - - - 10 Mar. 1825	Served in the trenches at the siege of Sebastopol (medal and clasp, 5th class of the Medjidie, and Turkish medal).		
Lieutenant - - ditto - - - 16 Mar. 1826			
Captain - - ditto - - - 1 June 1841			
Major - - Brevet - - - 20 June 1854			
Major - - 14th Foot - - - 15 May 1855			
Lieut.-Colonel - ditto - - - 27 Jan. 1857			
Colonel - - Brevet - - - 27 Jan. 1862			
Carried forward. - - - £.		15,154 - 8	15,945 5 8

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTI MATE, 1865-66.	ESTIMATE, 1864-65.
				£. s. d.	£. s. d.
Brought forward - - -				15,154 - 8	15,945 5 8
Colonel COLIN CAMPBELL M'INTYRE, C.B. - - - - -				100 - -	
				Served in the Persian Campaign of 1857; commanded his regiment on the Expedition to Borazjoon, night attack, and battle of Kooshub; present at the bombardment of Mohumrah, (mentioned in Despatches; medal and clasp); was at the relief of Lucknow; in the actions during that advance; in the Alumbagh (horse shot) from 25 September to 7 October, where he was surrounded by the enemy, but held the position for 52 days, until relieved by the Commander in Chief (mentioned in Despatches); commanded the advance guard in the attacks on the Dilkoosha and La Martinière (mentioned in Despatches as "conspicuous" in the latter attack); with Outram's force on re-occupation of the Alumbagh, and present with Brigadier Campbell's force, in the third advance on Lucknow, and in the operations of that force until the final capture of the city.—(Medal and clasps, Companion of the Bath, and a year's service added for Lucknow).	
Ensign - - - 78th Foot - - -	9 April 1825				
Lieutenant - - - ditto - - -	17 July 1828				
Captain - - - ditto - - -	28 April 1837				
Major - - - ditto - - -	19 June 1850				
Lieutenant-Col. - Brevet - - -	5 Sept. 1857				
Colonel - - - ditto - - -	7 Mar. 1862				
Colonel GEORGE BENT, C.B. - - - - -				100 - -	
				Served in Gibraltar; was employed in the survey of the River St. John, New Brunswick (specially mentioned); in Turkey with the Eastern Expedition as Captain of a company of Royal Sappers and Miners; on the Danube with the Turks, under Omar Pasha; present at the battle of Giurgevo (mentioned in Lord Raglan's Despatches); continued with the Turkish Army until December 1854; in the Trenches at the siege of Sebastopol in January and February 1855; director of the left attack from March to September 1855 (mentioned in Sir H. Jones's Despatches), and Commanding Royal Engineer in the Expedition to Kinburn, in October 1855 (mentioned by General Pelissier) —(Crimean medal and clasp, Companion of the Bath, Knight of the Legion of Honour, 5th class of the Medjidie, Turkish Medal, and the gold Medal given by the Sultan for service on the Danube).	
2d Lieutenant, Royal Engineers -	16 June 1838				
1st Lieutenant - ditto - - -	1 April 1841				
2d Captain - - ditto - - -	16 April 1847				
Captain - - - ditto - - -	20 June 1854				
Major - - - Brevet - - -	1 Sept. 1854				
Lieut.-Colonel - ditto - - -	2 Nov. 1854				
Colonel - - - ditto - - -	25 Oct. 1859				
Lieut.-Colonel, Royal Engineers -	6 June 1861				
Colonel THOMAS SYDENHAM CONWAY, C.B. - - - - -				100 - -	
				Served throughout the operations in Seinde (Medal), including the battles of Meanee and Hyderabad; in command of the Light Company (detached) at the previous defence of the Residency at Hyderabad; in the campaign in the Southern Mahratta country and at the investment and capture of Panulla and Poronghur.	
Ensign - - - 22d Foot - - -	14 Feb. 1828				
Lieutenant - - - ditto - - -	26 April 1831				
Adjutant - - - ditto - - -	27 Sept. 1833				
Captain - - - ditto - - -	9 Dec. 1836				
Major - - - Brevet - - -	4 July 1843				
Major - - - 22d Foot - - -	4 Feb. 1853				
Lieut.-Colonel - Brevet - - -	20 June 1854				
Capt. & Lieut.-Colonel Gren. Guards,	15 July 1854				
Colonel - - - Brevet - - -	26 Oct. 1858				
Carried forward - - - £.				15,454 - 8	15,945 5 8

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
				£. s. d.	£. s. d.
Brought forward - - -				15,454 - 8	15,945 5 8
Colonel RICHARD GARDINER - - - - -				100 - -	
Ensign - -	37th Foot - - -	12 May 1814	Served 48 years on Full pay, including Service in nearly every part of the British Dominions; also in the Netherlands, and Portugal.		
Lieutenant - -	11th Foot - - -	29 Sept. 1825			
Captain - -	1st West India Regt. - -	5 April 1833			
Captain - -	76th Foot - - -	6 Dec. 1833			
Major - -	ditto - - -	11 Nov. 1845			
Lieut.-Colonel	Brevet - - -	20 June 1854			
Colonel - -	Brevet - - -	26 Oct. 1858			
Inspecting Field Officer of a } Recruiting district - - }		1 Mar. 1860			
Colonel Sir JAMES EDWARD ALEXANDER - - - - -				100 - -	
Cornet - -	13th Hussars - - -	20 June 1825	Served with the Madras Light Cavalry prior to being transferred to Her Majesty's Service; present during the First Burman, the Persian, Turkish, Portuguese, and Kaffir Wars; was on the personal Staff of Generals Sir B. D'Urban and Sir W. Rowan; employed exploring and surveying in Africa and America; Siege of Sebastopol, including assault on the 18th of June, and the Fall of the City, when he commanded the 14th Regiment (Crimean medal and clasp, Sardinian and Turkish medals, and 5th class of the Medjidie; Knighted for services in Africa, and has received the 2d Class Lion and Sun of Persia); commanded the Troops in Auckland, New Zealand, part of 1860-61, during the Maori War.		
Lieutenant - -	Unattached - - -	26 Nov. 1825			
Lieutenant - -	16th Lancers - - -	25 Oct. 1827			
Captain - -	Unattached - - -	16 June 1830			
Captain - -	14th Foot - - -	11 Sept. 1840			
Major - -	Brevet - - -	9 Nov. 1846			
Lieut.-Colonel	Brevet - - -	20 June 1854			
Major - -	14th Foot - - -	29 Dec. 1854			
Major - -	Depôt Battalion - -	17 Feb. 1857			
Lieut.-Colonel	23d Foot - - -	26 Mar. 1858			
Lieut.-Colonel	14th Foot - - -	30 Mar. 1858			
Colonel - -	Brevet - - -	26 Oct. 1858			
Half-pay - -	- - - - -	10 June 1862			
Major-General JOHN BLOOMFIELD - - - - -				100 - -	
Second Lieutenant Royal Artillery -	28 April 1810	Served in the Peninsula and in France from March 1813 to June 1814 at the Battle of Vittoria, Siege of San Sebastian, crossing the Bidasson, and Battles of Nivelle, Nive, Orthes, and Toulouse; also, in the campaign of 1815, including the Battle of Waterloo.			
First Lieutenant - -	ditto - - -		17 Dec. 1813		
Second Captain - -	ditto - - -		7 Feb. 1832		
Captain - -	ditto - - -		1 April 1841		
Major - -	Brevet - - -		9 Nov. 1846		
Lieut.-Colonel - -	Royal Artillery - -		1 Nov. 1848		
Colonel - -	ditto - - -		20 June 1854		
Major-General - -	- - - - -		25 Sept. 1859		
Carried forward - - -				£. 15,754 - 8	15,945 5 8

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
				£.	s. d.	£.	s. d.
Brought forward - -				15,754	- 8	15,945	5 8
Colonel ARTHUR ST. GEORGE H. STEPNEY, C.B. - - - -				100	- -		
Ensign - -	29th Foot	- -	16 May 1834	Served with the 29th Foot in the Sutlej Campaign of 1845-46; commanded the regiment during the Battle of Ferozeshah in its several actions on the 21st and 22d December 1845; on the morning of 22d December was blown up and wounded by the explosion of a mine in retaking the Sikh Camp, but continued in command during the remainder of the active part of the campaign, until severely wounded by a grape shot at the conclusion of the battle of Sobraon, 10th February 1846. (Medal and Clasp and Companion of the Bath.) Present at the Siege and Fall of Sebastopol, from January 1855. (Medal and Clasp 5th Class of the Medjidie and Turkish Medal.)			
Lieutenant - -	ditto	- -	10 Nov. 1837				
Captain - -	ditto	- -	15 April 1842				
Major - -	Brevet	- -	3 April 1846				
Major - -	29th Foot	- -	9 July 1850				
Major - -	54th Foot	- -	5 Nov. 1852				
Lieut.-Colonel	Brevet	- -	20 June 1854				
Captain and Lieut.-Colonel Coldstream Guards			14 July 1854				
Colonel - -	Brevet	- -	26 Oct. 1858				
Major Coldstream Guards	- -	- -	24 Nov. 1863				
Major-General HENRY PALLISER - - - -							
<i>Awarded</i> £. 91. 5. <i>a year</i> - - - <i>from</i> 27 June 1864							
<i>Increase of</i> 8. 15. " - - - " 28 July 1864							
<i>Died</i> - - - - - 17 Dec. 1864							
Second Lieutenant, Royal Artillery			4 June 1810	Served in the Peninsula, and in France, from November 1812 to May 1814, including the Siege of San Sebastian, and the battles of Vittoria, Orthes, and Toulouse; subsequently in the American War, including the battles of Bladensburg and Baltimore, capture of Washington, and operations before New Orleans; also with the Army of Occupation in France, from June 1815 to November 1818, being present at the capture of Paris.			
First Lieutenant - ditto	- -	- -	18 Feb. 1814				
Captain - -	ditto	- -	27 Sept. 1832				
Major - -	Brevet	- -	9 Nov. 1846				
Lieut.-Colonel - Royal Artillery	- -	- -	1 Nov. 1848				
Colonel - -	Brevet	- -	28 Nov. 1854				
Colonel - -	Royal Artillery	- -	13 Dec. 1854				
Major-General	- -	- -	22 Feb. 1863				
Major-General GEORGE THOMAS COLOMBE - - - -				100	- -		
Ensign - -	96th Foot	- -	8 Dec. 1808	Served on the Staff as Aide-de-Camp to Major-General Hatton at Jersey; obtained leave and joined the Army at St. Jean de Luz, in the hope of being employed in the Portuguese service, but without success; sailed with the two provisional battalions for Bordeaux, from whence, on peace being proclaimed, he proceeded to Canada, and served there as Aide-de-Camp to Major-General Vincent during the latter part of the war, until the reduction of the Staff; afterwards joined the 37th Foot at Antwerp, and served the campaign of 1815 in the 7th Division with the 37th Foot, which was not engaged at Waterloo; was re-appointed to the Staff of Major-General Hatton, and afterwards served 16 years as Commandant of the Royal Hibernian Military School.			
Lieutenant - -	ditto	- -	18 Oct. 1810				
Captain - -	ditto	- -	23 June 1814				
Captain - -	37th Foot	- -	25 Dec. 1814				
Captain - -	Half-pay	- -	25 Mar. 1817				
Captain - -	84th Foot	- -	12 Aug. 1824				
Captain - -	5th Dragoon Guards	- -	17 Mar. 1825				
Captain - -	Unattached	- -	15 Apr. 1826				
Captain - -	99th Foot	- -	18 May 1826				
Major - -	Unattached	- -	1 May 1827				
Lieut.-Colonel	Brevet	- -	23 Nov. 1841				
Colonel - -	ditto	- -	20 June 1854				
Major-General	- -	- -	26 Oct. 1858				
Carried forward - - - £.				15,954	- 8	15,945	5 8

Vote 19.—REWARDS for Distinguished Services, &c.—*continued.*

		ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£. s. d.	£. s. d.
Brought forward - - - -		15,954 - 8	15,945 5 8
Major General W. B. INGILBY - - - - -		8 15 -	
(In addition to the 91 l. 5 s. received by him.)			
His services have already been detailed; <i>vide</i> Estimates 1862-63, page 161.			
Major General RICHARD SAY ARMSTRONG - - - - -		91 5 -	
Second Lieutenant, Royal Artillery 17 Dec. 1807	Served at Walcheren in 1809; in Canada from May 1810 to July 1815, including the capture of a detachment on River Raisin, the cutting out of an enemy's vessel when in command of a gunboat at Prescott, at Fort Erie, during a cannonade of 17 hours; at the loss of Fort George, actions at Stoney Creek and Black Rock; investment of Fort George; capture of Fort Niagara, Black Rock, and town of Buffalo; action at Street's Creek and Chippawa, and at the siege of Fort Erie, under an almost constant fire for about five weeks; slightly wounded at Fort George, 27 May 1813.		
First Lieutenant - ditto - 22 Mar. 1809			
Captain - - - - ditto - 6 Nov. 1827			
Major " - - - Brevet - - 23 Nov. 1841			
Lieut.-Colonel, Royal Artillery - 9 Nov. 1846			
Colonel - - - - ditto - - 20 June 1854			
Major-General - - - - - 16 Jan. 1859			
Major-General W. C. ANDERSON - - - - -		48 15 -	
(In addition to the 50 l. already received by him.)			
His services have already been detailed; <i>vide</i> Estimates 1859-60, page 121.			
Major-General FRANCIS WARDE - - - - -		91 5 -	
Second Lieutenant, Royal Artillery 4 Mar. 1809	Served at the defence of Cadiz, and at the battle of Waterloo.		
First Lieutenant - - ditto - 8 Mar. 1812			
Captain - - - - - ditto - 3 July 1830			
Major - - - - Brevet - - 9 Nov. 1846			
Lieut.-Colonel, Royal Artillery - 7 May 1847			
Colonel - - - - - ditto - 13 Sept. 1854			
Major-General - - - - - 8 Mar. 1860			
Carried forward - - - £.		16,194 - 8	15,945 5 8

Vote 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
				£.	s. d.	£.	s. d.
Brought forward - - -				16,194	- 8	15,945	5 8
Colonel SAMUEL WELLS, C.B. - - - - -				100	- -		
Ensign - - -	9th Foot - - -	9 April 1826	Served with the 25th Foot at the recapture of Port Natal from the Insurgent Boers, 26th June 1842 (mentioned in Despatches); commanded 1st Battalion 23d Foot during the Indian mutiny, including relief of Lucknow, defeat of Gwalior Contingent at Cawnpore, the march across the Goomtee, and Siege and Capture of Lucknow. His services were acknowledged by the Governor General in Council, and he has been several times mentioned in Despatches (Medal and Clasp, and Companion of the Bath).				
Lieutenant - -	ditto - - -	8 Oct. 1829					
Lieutenant - -	25th Foot - - -	12 Feb. 1830					
Captain - - -	ditto - - -	15 Sept. 1837					
Major - - -	ditto - - -	16 Sept. 1851					
Lieut.-Colonel -	ditto - - -	9 May 1856					
Lieut.-Colonel -	23d Foot - - -	16 Jan. 1857					
Colonel - - -	Brevet - - -	24 Dec. 1860					
Colonel HENRY HAMILTON, C.B. - - - - -				100	- -		
Ensign - - -	78th Foot - - -	13 Aug. 1829	Served with Sir H. Grant's Column advancing to the relief of Lucknow; in command of a Battalion of Detachments at the Capture of Bunterah, also at the relief of Lucknow; in command of the 78th Highlanders during the Defence of the Alumbagh; during the Rohilcund Campaign in April 1858; in command of the 78th at the Capture of Bareilly (Medal and Clasp and Companion of the Bath); as Assistant Adjutant General in Ireland; and is at present Deputy Adjutant General in Ceylon.				
Lieutenant - -	ditto - - -	29 Nov. 1833					
Captain - - -	ditto - - -	29 April 1842					
Major - - -	ditto - - -	19 April 1850					
Lieut.-Colonel -	Brevet - - -	9 July 1857					
Colonel - - -	ditto - - -	6 Feb. 1862					
Half Pay - - -	- - -	26 Nov. 1863					
Major General JOHN FRANCIS GLENCAIRN CAMPBELL, C.B. - - - - -				100	- -		
Ensign - - -	91st Foot - - -	25 Oct. 1827	Served in command of the Infantry Force which formed part of the Expedition against the Insurgent Boers beyond the Orange River, South Africa, in April 1845; in command of the Reserve Battalion, 91st Regiment, throughout the whole of the Kaffir war 1846-47; was specially mentioned in Colonel Somerset's Despatches of the 17th and 18th April 1846; also in Lieut.-General Sir George Berkeley's General Order of the 17th December 1847, as having conducted and commanded one of the columns of attack against the chief Sandilli, which concluded the war—(Medal); was present during the last Kaffir war of 1851-52, and 1853, where he was of the greatest service.				
Lieutenant - -	ditto - - -	27 Aug. 1829					
Captain - - -	ditto - - -	23 Nov. 1832					
Major - - -	ditto - - -	8 July 1843					
Lieut.-Colonel -	ditto - - -	14 April 1846					
Colonel - - -	Brevet - - -	20 June 1854					
Major General -	- - -	12 Nov. 1860					
Carried forward - - - £.				16,494	- 8	15,945	5 8

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
				£.	s. d.	£.	s. d.
Brought forward - - -				16,494	- 8	15,945	5 8
ALLOWANCES to Officers of Her Majesty's Garrisons at Home and Abroad, holding their Appointments as Rewards for Military Service, but to which no efficient Military Duty attaches; and which Appointments will be abolished on Vacancies occurring, when Rewards for distinguished Military Service will be granted in lieu thereof.							
GARRISON.	NAME OF OFFICE.			ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
				£.	s. d.	£.	s. d.
Belfast - -	Town-Major - - - - -			-	-	63	13 8
	Ditto - Lodging Allowance - - -			-	-	25	4 -
Charles Fort -	Town-Major - - - - -			63	13 8	63	13 8
	Ditto - Fuel and Candle Allowance -			34	18 -	34	18 -
	Ditto - Lodging Money - - - - -			27	6 -	27	6 -
Duncannon Fort -	Fort-Major - - - - -			63	13 8	63	13 8
Portland Castle -	Two Porters - - - - -			21	5 10	21	5 10
Isle of Wight -	Warden - - - - -			-	-	12	3 4
	Pay of the Captains, Officers, and Gunners of Archcliffe and Moats Bulwarks, and of Dover, Sandown, Deal, Sandgate, and Walmer Castles - -			206	17 6	212	6 -
	Lodging Money - - - - -			46	4 -	46	4 -
	TOTAL - - - £.			463	18 8	570	8 2
						463	18 8
						570	8 2

HER MAJESTY'S GARRISON OF THE TOWER OF LONDON:

	Pay per Diem.	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
	£. s. d.	£.	s. d.	£.	s. d.
Constable and Governor - - - -	2 11 11	947	9 7	947	9 7
Lieutenant-Governor - - - -	1 16 4	663	1 8	663	1 8
Deputy Lieutenant - - - -	- 19 -	346	15 -	346	15 -
Tower-Major - - - -	- - -	300	- -	300	- -
Chaplain - - - -	- - -	150	- -	150	- -
Medical Officer - - - -	- - -	100	- -	100	- -
Yeoman Gaoler - - - -	- - -	30	- -	30	- -
Yeoman Porter - - - -	- - -	40	- -	40	- -
Forty Yeomen Warders, each 1 s. 2 d.	2 6 8	851	18 4	851	18 4
Miscellaneous Expenses - - - -	- - -	68	8 9	68	8 9
Lodging Allowances:					
To the Constable and Governor - - -	- - -	52	10 -		
To the Lieutenant Governor - - -	- - -	20	- -		
To the Deputy Lieutenant - - -	- - -	400	- -	400	- -
TOTAL - - - £.		3,969	18 4	3,897	8 4
				3,969	18 4
				3,897	8 4
Balance - - - -	- - -			72	2 4
				586	17 10
Carried forward - - - £.		21,000	- -	21,000	- -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

		ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
		£. s. d.	£. s. d.
Brought forward - - -		21,000 - -	21,000 - -
REWARDS TO SERJEANTS FOR DISTINGUISHED OR MERITORIOUS SERVICE:			
A Sum not exceeding 4,400 £. a year to be distributed in Annuities, as Rewards for Distinguished or Meritorious Service to Serjeants, who are now or who may hereafter be in the Service, either while serving or after discharge			
The following Annuities have been granted :			
SERJEANTS attached to Regiments :		£.	
4th Dragoon Guards -	Farrier-Major Jackson Harrington - - -	20	
6th Dragoons - - -	Serjeant George Gardner - - -	10	
12th Lancers - - -	Troop Serjeant-Major Benjamin Laing - - -	15	
Royal Artillery - - -	Serjeant-Major John Good - - -	20	
" " - - -	Serjeant James Alexander - - -	20	
" " - - -	Staff Serjeant Peter M'Leish - - -	10	
" " - - -	Serjeant-Major John Fyfe - - (£. 10) -	{ Paid by Indian Government.	
" " - - -	Staff-Serjeant John Neill - - -	10	
" " - - -	Quartermaster-Serjeant Benjamin Trew - - -	10	
" " - - -	Master-Gunner William Duke - - -	10	
" " - - -	" " Peter Laird - - -	10	
Royal Engineers - - -	Serjeant-Major John Poole - - -	10	
" " - - -	Colour-Serjeant Joseph Morant - - -	10	
" " - - -	Quartermaster-Serjeant Samuel March - - -	10	
Military Train, 2d Batt.	Serjeant-Major Robert Elliott - - -	20	
Coldstream Guards -	Serjeant Shepherd Carter - - -	20	
Scots Fusilier Guards -	George Sharp - - -	15	
1st Foot, 1st Battalion -	Hospital Serjeant David Reid - (£. 20) -	{ Paid by Indian Government.	
4th Foot - - -	Serjeant Peter Kearney - - (£. 20) -	- ditto.	
8th " - - -	" James Barlow - - -	20	
16th Foot, 1st Battalion -	Serjeant-Major J. Ramsden - - -	10	
41st Foot - - -	Colour-Serjeant John Ross - - -	20	
44th " - - -	Quartermaster-Serjeant Dennis Reddin - (£. 20) -	{ Paid by Indian Government.	
47th " - - -	Colour-Serjeant John Willson - - -	20	
53d " - - -	Serjeant-Major Robert Lindsay - - -	15	
54th " - - -	" " Lewis Purnell - (£. 20) -	{ Paid by Indian Government.	
57th " - - -	Quartermaster-Serjeant Robert Collins - - -	20	
60th " - - -	Colour-Serjeant Stephen Garvin - - -	15	
62d " - - -	Colour-Serjeant Joseph Lynas - - -	20	
65th " - - -	Serjeant Michael Meara - - -	10	
65th " - - -	" John Bracegirdle - - -	10	
72d " - - -	Colour-Serjeant James White - (£. 15) -	{ Paid by Indian Government.	
75th " - - -	Quartermaster-Serjeant Michael Walsh - - -	15	
77th " - - -	Serjeant-Major Henry Borritt - (£. 20) -	{ Paid by Indian Government.	
80th " " - - -	Colour-Serjeant James Tilley - - (£. 10) -	- ditto.	
98th " - - -	Garrison Staff Serjeant-Major David Mackay - - - } (£. 15) -	- ditto.	
22d Depôt Battalion -	Quartermaster-Serjeant William Ross - - -	10	
Carried forward - - - £.		395	21,000 - - 21,000 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

				ESTIMATE, 1865-66.	ESTIMATE, 1864-65.
				£. s. d.	£. s. d.
Brought forward - - -				21,000 - -	21,000 - -
SERJEANTS Discharged :					
Brought forward - - -				£.	
2d Life Guards -	Corporal-Major Edward Piercey -	-	-	395	
1st Dragoon Guards -	Serjeant-Major John Stenson -	-	-	20	
1st " "	Serjeant William Horton -	-	-	15	
2d " "	Serjeant-Major Robert Newson -	-	-	20	
3d " "	Troop Serjeant-Major William Ryan -	-	-	10	
4th " "	" " " Joseph Drake -	-	-	20	
5th " "	" " " Charles Killeen -	-	-	10	
5th " "	Serjeant James Shegog -	-	-	20	
6th " "	Serjeant-Major Robert Holt -	-	-	20	
6th " "	" " William Lyons -	-	-	20	
7th " "	Serjeant John Hamilton -	-	-	20	
1st Dragoons -	Troop Serjeant-Major Samuel Woolley -	-	-	20	
1st " "	" " " George Tripp -	-	-	20	
2d " "	Farrier-Major David Gray -	-	-	20	
3d Hussars -	Troop Serjeant-Major Richard Mercer -	-	-	15	
3d " "	Serjeant-Major John Dodd -	-	-	20	
4th " "	" " John M'Veagh -	-	-	20	
5th " "	" " Edward Smith -	-	-	15	
6th Dragoons -	Hospital Serjeant William Sutcliffe -	-	-	20	
8th Hussars -	Troop Serjeant-Major Daniel Luck -	-	-	15	
8th " "	Serjeant-Major Samuel Williams -	-	-	20	
9th Lancers -	" " Patrick Cunningham -	-	-	20	
9th " "	Troop Serjeant-Major Edward Collins -	-	-	15	
10th Hussars -	Serjeant-Major William Draycott -	-	-	10	
10th " "	" " Charles Hickman -	-	-	15	
11th " "	Troop Serjeant-Major G. L. Smith -	-	-	20	
13th Hussars -	Serjeant Joseph Priestley -	-	-	20	
14th " "	Troop Serjeant-Major Isaac Searle -	-	-	10	
15th " "	Troop Serjeant-Major Malcolm M'Dougall -	-	-	15	
16th Lancers -	Serjeant-Major Robert Wilson -	-	-	15	
16th " "	Troop Serjeant-Major James Walsh -	-	-	15	
16th " "	" " Robert Keppel -	-	-	15	
17th " "	" " William Geo. Cattermole -	-	-	20	
Military Train -	Colour-Serjeant John Kelly -	-	-	10	
1st Brigade - Royal Artillery,	Quartermaster-Serjeant William Allen -	-	-	20	
Invalid Battalion " "	Serjeant George Fielding -	-	-	10	
Coast Brigade " "	Quartermaster-Serjeant John Lindsey -	-	-	10	
6th Battalion " "	Serjeant Henry Ormerod -	-	-	10	
Horse Artillery -	Quartermaster-Serjeant William Hunter -	-	-	10	
3d Brigade - Royal Artillery -	Serjeant-Major Thomas Robinson -	-	-	10	
5th " " "	Serjeant Thomas Gibson -	-	-	10	
8th " " "	Colour-Serjeant Christopher Neary -	-	-	20	
7th " " "	Quartermaster-Serjeant Charles King -	-	-	10	
6th " " "	Staff-Serjeant John Freeman -	-	-	10	
4th " " "	Quartermaster-Serjeant James Macdonald -	-	-	10	
2d " " "	" " James Brown -	-	-	10	
Coast Brigade, Royal Artillery,	Serjeant-Major James Kinnear -	-	-	10	
" " " "	Master Gunner William Whitley -	-	-	10	
9th Coast " " "	Serjeant-Major John King -	-	-	10	
" " " "	" " John Taylor -	-	-	10	
Dépôt " " "	Staff-Wheeler George Carthew -	-	-	10	
" " " "	Quartermaster Serjeant James Clifford -	-	-	10	
Royal Engineers -	Colour-Serjeant Henry Brown -	-	-	10	
Sappers -	Quartermaster-Serjeant Robert Shorter -	-	-	10	
" " "	Colour-Serjeant William Black -	-	-	10	
" " "	" " James Young -	-	-	10	
" " "	" " William Campbell -	-	-	10	
" " "	" " James Donelan -	-	-	10	
Carried forward - - - £.				1,235	21,000 - - 21,000 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

						ESTIMATE 1865-66.	ESTIMATE 1864-65.
						£. s. d.	£. s. d.
Brought forward - - -						21,000 - -	21,000 -
Brought forward—Rewards to Serjeants discharged - - -						£. 1,235	
1st Foot Guards -	Serjeant-Major William Thomas	-	-	-	-	20	
2d " "	" " William Loomes	-	-	-	-	20	
3d " "	" " Edward Edwards	-	-	-	-	20	
1st Foot -	Quartermaster-Serjeant James M'Alpine	-	-	-	-	20	
1st " "	Serjeant-Major James Gannon	-	-	-	-	15	
1st " "	" " John Wilson	-	-	-	-	10	
1st " "	Drum-Major George Morgason	-	-	-	-	15	
1st " "	Serjeant-Major William Hayes	-	-	-	-	10	
1st " "	Hospital Serjeant John M'Roberts	-	-	-	-	20	
2d " "	Serjeant-Major William Wenn	-	-	-	-	10	
2d " "	Colour-Serjeant Stephen Preston	-	-	-	-	10	
3d " "	Serjeant William Henry Hart	-	-	-	-	20	
3d " "	Thomas Wagstaff	-	-	-	-	15	
5th " "	Serjeant-Major James Hughes	-	-	-	-	10	
6th " "	Serjeant-Major Thomas Cook	-	-	-	-	15	
6th " "	Colour-Serjeant James Sowrey	-	-	-	-	20	
7th " "	Quartermaster-Serjeant William Ponton	-	-	-	-	15	
7th " "	Serjeant-Major John Liptrott	-	-	-	-	15	
7th " "	" " William Bacon	-	-	-	-	20	
8th " "	" " John Beatty	-	-	-	-	15	
8th " "	" " William Walker	-	-	-	-	15	
8th " "	" " James Henry Robinson	-	-	-	-	10	
9th " "	Quartermaster-Serjeant Henry Cox	-	-	-	-	20	
9th " "	Colour-Serjeant George Godfrey	-	-	-	-	15	
9th " "	Quartermaster-Serjeant James Lightening	-	-	-	-	15	
9th " "	Colour-Serjeant Samuel Hargreaves	-	-	-	-	20	
9th " "	Serjeant-Major George Corsons	-	-	-	-	10	
9th " "	Quartermaster-Serjeant Patrick Sloan	-	-	-	-	15	
9th " "	Colour-Serjeant Thomas Stanfield	-	-	-	-	10	
10th " "	" " John Carr	-	-	-	-	10	
10th " "	Serjeant William M'Intyre	-	-	-	-	15	
10th " "	" " Edward Connor	-	-	-	-	10	
11th " "	Quartermaster-Serjeant Peter Gavin	-	-	-	-	20	
12th " "	" " Charles Seager	-	-	-	-	10	
12th " "	" " James Porter	-	-	-	-	15	
13th " "	Serjeant-Major Michael Brown	-	-	-	-	20	
13th " "	Armourer-Serjeant Henry Ulyett	-	-	-	-	20	
14th " "	Serjeant-Major Hugh Smith	-	-	-	-	10	
14th " "	" " Martin Ryan	-	-	-	-	15	
15th " "	Quartermaster-Serjeant William Gleeson	-	-	-	-	15	
15th " "	Quartermaster-Serjeant Thomas Brown	-	-	-	-	10	
16th " "	Quartermaster-Serjeant J. Drew	-	-	-	-	10	
17th " "	Serjeant-Major Henry Whearing	-	-	-	-	10	
17th " "	Quartermaster-Serjeant William Hardisent	-	-	-	-	15	
18th " "	Serjeant John Grant	-	-	-	-	20	
19th " "	Serjeant-Major John Whitlaw	-	-	-	-	15	
19th " "	" " Patrick Campion	-	-	-	-	20	
20th " "	" " Thomas M'Mullen	-	-	-	-	10	
20th " "	" " William Robertson	-	-	-	-	20	
21st " "	Quartermaster-Serjeant William Davidson	-	-	-	-	10	
21st " "	Colour-Serjeant W. Rogers	-	-	-	-	20	
22d " "	" " Patrick Heany	-	-	-	-	10	
22d " "	Serjeant William Kelly	-	-	-	-	20	
22d " "	Colour-Serjeant Joseph Beeton	-	-	-	-	10	
22d " "	" " William Roe	-	-	-	-	10	
22d " "	" " Edward Dolan	-	-	-	-	10	
23d " "	Serjeant Allan Johnston	-	-	-	-	15	
23d " "	Hospital-Serjeant James Simpson	-	-	-	-	20	
23d " "	Serjeant-Major William Handley	-	-	-	-	10	
24th " "	Serjeant-Major Andrew Malcolm	-	-	-	-	10	
24th " "	Colour-Serjeant William Delaney	-	-	-	-	15	
24th " "	Serjeant Thomas Neill	-	-	-	-	20	
24th " "	" " Michael Kelcher	-	-	-	-	10	
Carried forward - - - £.						2,160	21,000 - - 21,000 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

						ESTIMATE 1865-66.		ESTIMATE 1864-65.	
						£.	s. d.	£.	s. d.
Brought forward - - -						21,000	- -	21,000	- -
Brought forward—Rewards to Serjeants discharged - - -						£.			
						2,160			
25th Foot	-	Quartermaster-Serjeant Charles Bryhurst	-	-	-	20			
26th	"	Colour-Serjeant James Searsons	-	-	-	20			
26th	"	Serjeant Isaac Suckling	-	-	-	10			
27th	"	Serjeant-Major John Weir	-	-	-	15			
27th	"	Colour-Serjeant James Fogarty	-	-	-	15			
27th	"	Serjeant-Major William M'Donald	-	-	-	10			
27th	"	Paymaster-Serjeant John Bolster	-	-	-	10			
28th	"	Quartermaster-Serjeant Thomas M'Envoy	-	-	-	20			
29th	"	Serjeant-Major John Bampton	-	-	-	15			
29th	"	Schoolmaster-Serjeant Thomas Mooney	-	-	-	10			
30th	"	Quartermaster-Serjeant George Woods	-	-	-	20			
30th	"	Colour-Serjeant John Scanlon	-	-	-	15			
31st	"	Schoolmaster-Serjeant Patrick Trench	-	-	-	15			
32d	"	Serjeant-Major Joseph Dowell	-	-	-	20			
32d	"	" John Allcock	-	-	-	15			
32d	"	Colour-Serjeant George Congdon	-	-	-	10			
33d	"	" R. Wilson	-	-	-	15			
33d	"	Serjeant-Major George Tomlinson	-	-	-	20			
34th	"	Hospital-Serjeant Edward Baker	-	-	-	20			
34th	"	Colour-Serjeant Patrick M'Cawley	-	-	-	10			
35th	"	Serjeant-Major Patrick Bolger	-	-	-	15			
36th	"	" Luke Dunn	-	-	-	20			
38th	"	Quartermaster-Serjeant William Anstey	-	-	-	20			
40th	"	Serjeant-Major John Wilson	-	-	-	10			
40th	"	Colour-Serjeant Henry Tibbells	-	-	-	15			
40th	"	" John Jefferies	-	-	-	10			
40th	"	Quartermaster-Serjeant William Osborn	-	-	-	10			
40th	"	Serjeant Patrick Neil	-	-	-	15			
41st	"	" Jeremiah Kean	-	-	-	15			
41st	"	Serjeant-Major John Kyle	-	-	-	15			
42d	"	Quartermaster-Serjeant Robert Robertson	-	-	-	15			
42d	"	Serjeant-Major Alexander Geddes	-	-	-	15			
42d	"	Colour-Serjeant William Gardner	-	-	-	20			
43d	"	Quartermaster-Serjeant Michael Costelloe	-	-	-	20			
44th	"	" John Adams	-	-	-	10			
44th	"	Colour-Serjeant Robert Looney	-	-	-	15			
45th	"	" George Longland	-	-	-	15			
46th	"	" Joseph Smith	-	-	-	20			
47th	"	" Charles Horsfield	-	-	-	15			
48th	"	Serjeant Major Hugh Clelland	-	-	-	10			
48th	"	Colour-Serjeant Samuel Francis	-	-	-	15			
49th	"	Hospital Serjeant John O'Dell	-	-	-	20			
49th	"	Serjeant-Major Thomas Lewis Sands	-	-	-	20			
49th	"	Quartermaster-Serjeant James Birchby	-	-	-	15			
50th	"	Serjeant-Major Wellington White	-	-	-	20			
50th	"	Quartermaster-Serjeant Edmund Burke	-	-	-	15			
50th	"	" Joseph Duncalf	-	-	-	20			
51st	"	Serjeant-Major Stephen Ashby	-	-	-	10			
52d	"	Colour-Serjeant George Naldret	-	-	-	20			
52d	"	Serjeant-Major George Elliott	-	-	-	15			
53d	"	" George Felstead	-	-	-	15			
Carried forward - - - £.						2,950		21,000	- -
								21,000	- -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

		ESTIMATE 1865-66.	ESTIMATE 1864-65.
		£. s. d.	£. s. d.
Brought forward - - -		21,000 - -	21,000 - -
Brought forward—Rewards to Serjeants discharged - - -		£. 2,950	
54th Foot	- Colour-Serjeant Thomas Walker - - -	15	
55th "	- " " Charles Walker - - -	10	
55th "	- " " Robert Hodges - - -	20	
56th "	- Quartermaster-Serjeant William Orme - - -	15	
56th "	- Serjeant Arthur Emmett - - -	15	
57th "	- Serjeant-Major John Bergin - - -	20	
58th "	- Colour-Serjeant Joseph Sims - - -	10	
58th "	- Serjeant-Major James Naughton - - -	15	
58th "	- Colour-Serjeant Michael Field - - -	10	
59th "	- Serjeant-Major James Wood - - -	15	
59th "	- Quartermaster-Serjeant William M'Gowan - - -	20	
60th "	- Serjeant-Major Edwin Hindle - - -	20	
60th "	- Quartermaster-Serjeant George Kettles - - -	10	
60th "	- " " John Devane - - -	10	
60th "	- Serjeant Michael Burke - - -	20	
61st "	- Serjeant-Major Henry Baker - - -	15	
61st "	- Serjeant Hugh Diamond - - -	10	
62d "	- " " George M'Cullough - - -	10	
62d "	- Colour-Serjeant James Hastings - - -	10	
62d "	- " " Thomas Harvey - - -	10	
62d "	- Hospital-Serjeant James Frederick - - -	10	
63d "	- Colour Serjeant William Aherin - - -	20	
64th "	- Serjeant-Major George Perkins - - -	20	
65th "	- Serjeant Thomas Scully - - -	15	
66th "	- Colour-Serjeant Patrick Hogan - - -	15	
66th "	- Serjeant-Major Michael M'Dermott - - -	20	
67th "	- Colour-Serjeant Thomas Owens - - -	20	
68th "	- Serjeant-Major John Ellis - - -	20	
68th "	- Quartermaster-Serjeant Rowland Sant - - -	20	
69th "	- Serjeant-Major William Phillips - - -	20	
70th "	- " " Henry Watkins - - -	15	
71st "	- Colour-Serjeant George Cummings - - -	15	
72d "	- Serjeant-Major William Hume - - -	15	
72d "	- " " James Ramsay - - -	10	
73d "	- Colour-Serjeant John Riley - - -	15	
73d "	- Serjeant-Major Francis Rennie - - -	15	
73d "	- Drum-Major John Young - - -	10	
75th "	- Serjeant-Major Robert Forsyth - - -	15	
76th "	- Quartermaster-Serjeant William Thornton - - -	20	
77th "	- " " George Hope - - -	15	
78th "	- Serjeant John Challiner - - -	10	
78th "	- Colour-Serjeant David Christie - - -	15	
79th "	- Quartermaster Serjeant Richard Stevens - - -	15	
79th "	- Serjeant-Major Thomas Bunyan - - -	20	
79th "	- " " John Mackay - - -	10	
80th "	- Serjeant James Irwin - - -	15	
80th "	- Serjeant-Major Joseph Roberts - - -	10	
82d "	- " " John Bell - - -	20	
Carried forward - - - £.		3,670	21,000 - -
			21,000 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

						ESTIMATE 1865-66.	ESTIMATE 1864-65.
						£. s. d.	£. s. d.
Brought forward - - -						21,000 - -	21,000 - -
Brought forward—Rewards to Serjeants discharged - -						£.	
83d Foot	-	Quartermaster-Serjeant Alexander Barber	-	-	-	20	
83d "	-	" " Samuel M'Gahey	-	-	-	15	
84th "	-	Serjeant-Major Henry Jenkyns	-	-	-	15	
85th "	-	" " John Rorke	-	-	-	20	
86th "	-	Quartermaster-Serjeant William M'Neill	-	-	-	15	
86th "	-	Serjeant-Major Alleyn Wolfe	-	-	-	10	
86th "	-	Serjeant Owen Farrell	-	-	-	15	
87th "	-	Colour-Serjeant John Maguire	-	-	-	15	
88th "	-	" " George M'Nally	-	-	-	20	
88th "	-	Quartermaster-Serjeant Christopher O'Brien	-	-	-	15	
89th "	-	Colour-Serjeant Matthew Dinnen	-	-	-	20	
89th "	-	" " James M'Gee	-	-	-	20	
90th "	-	Quartermaster-Serjeant Thomas Barnes	-	-	-	15	
90th "	-	" " William Hardie	-	-	-	10	
91st "	-	Colour-Serjeant William Gilmour	-	-	-	10	
91st "	-	Serjeant-Major William Wallace	-	-	-	15	
92d "	-	Quartermaster-Serjeant Daniel Morrison	-	-	-	15	
92d "	-	Serjeant-Major James Stewart	-	-	-	15	
92d "	-	" " James Gordon	-	-	-	10	
93d "	-	" " James Christie	-	-	-	10	
93d "	-	Colour-Serjeant Donald Williamson	-	-	-	20	
93d "	-	Quartermaster-Serjeant Adam M'Kay	-	-	-	15	
95th "	-	" " Michael M'Gucken	-	-	-	20	
95th "	-	Colour-Serjeant Thomas Wetton	-	-	-	10	
95th "	-	Serjeant-Major Roger Connor	-	-	-	10	
97th "	-	Colour-Serjeant John Joynt	-	-	-	15	
97th "	-	Serjeant John Burgess	-	-	-	20	
97th "	-	" William Newman	-	-	-	10	
98th "	-	" William Peagam	-	-	-	10	
Rifle Brigade, Serjeant-Major Richard Cornelious						20	
" "	"	" " Francis Green	-	-	-	15	
" "	"	Quartermaster-Serjeant Foster Hewison	-	-	-	15	
" "	"	" " Robert Cook	-	-	-	15	
" "	"	Serjeant-Major Edward Cousens	-	-	-	15	
3d West India Regiment, C. Serjeant-Major Charles Zillwoode						10	
Canadian Rifles, Serjeant-Major William Smith						20	
Depôt Brigade, Royal Artillery, Serjeant Major James Steers						10	
16th Depôt Battalion, Quartermaster Serjeant Joseph Smith						15	
						£.	
TOTALS for Rewards for Distinguished or Meritorious Services - - -						4,235 - -	4,220 - -
						£.	
Carried forward - - -						25,235 - -	25,220 - -
						£.	
						25,235 - -	25,220 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

						ESTIMATE 1865-66.	ESTIMATE 1864-65.
						£. s. d.	£. s. d.
Brought forward - - -						25,235 - -	25,220 - -
PENSIONS to NON-COMMISSIONED OFFICERS and PRIVATES upon whom the distinction of the VICTORIA CROSS has been conferred:							
Attached to Regiments:						£.	
2d Dragoon Guards	-	Corporal Charles Anderson	-	-	-	10	
2d " "	-	Trumpeter Thomas Monaghan	-	-	-	10	
2d Dragoons	-	Serjeant Henry Ramage	-	-	-	10	
8th " "	-	Private John Pearson	-	-	-	10	
8th Hussars	-	Serjeant Joseph Ward	-	-	-	10	
9th Lancers	-	Lance-Corporal William Goat	-	-	-	10	
9th " "	-	Troop Serjeant-Major David Rush	-	-	-	10	
9th " "	-	Private John Freeman	-	-	-	10	
17th " "	-	Quartermaster Serjeant John Farrell	(£. 10)	{ Paid by Indian Government.			
17th " "	-	Troop Serjeant-Major John Berryman	(£. 10)	- ditto.			
19th Hussars	-	Lance Corporal R. Kells	-	-	-	10	
Royal Artillery	-	Gunner and Driver Thomas Arthur	-	-	-	10	
" "	-	Bombardier Joseph Brennan	(£. 10)	{ Paid by Indian Government.			
Royal Engineers	-	Corporal William J. Lindrim	-	-	-	10	
" "	-	" John Ross	-	-	-	10	
" "	-	Private John Perie	-	-	-	10	
" "	-	Colour Serjeant Peter Leitch	-	-	-	10	
" "	-	Corporal Michael Sleavon	-	-	-	10	
Military Train	-	Farrier Michael Murphy	-	-	-	10	
" "	-	Private Samuel Morley	-	-	-	10	
Coldstream Guards	-	" William Stanlock	-	-	-	10	
" "	-	" George Strong	-	-	-	10	
Scots Fusilier Guards	-	Serjeant James M'Heehine	-	-	-	10	
" "	-	Private William Reynolds	-	-	-	10	
1st Foot, 2d Battalion	-	" Joseph Prosser	-	-	-	10	
5th Foot, 1st Battalion	-	Serjeant Robert Grant	-	-	-	10	
5th " " "	-	Private Patrick M'Hale	-	-	-	10	
7th " "	-	" William Norman	(£. 10)	{ Paid by Indian Government.			
10th " "	-	" Dennis Dempsey	-	-	-	10	
13th " "	-	" Patrick Carlin	-	-	-	10	
13th " "	-	Serjeant W. Napier	-	-	-	10	
17th " "	-	Corporal Philip Smith	-	-	-	10	
23d " "	-	Private George Monger	(£. 10)	{ Paid by Indian Government.			
32d " "	-	" William Dowling	-	-	-	10	
32d " "	-	Corporal William Oxenham	-	-	-	10	
34th " "	-	Private William Coffey	(£. 10)	{ Paid by Indian Government.			
34th " "	-	" John J. Sims	(£. 10)	- ditto.			
34th " "	-	" George Richardson	(£. 10)	- ditto.			
Carried forward - - - £						300	25,235 - - 25,220 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

						ESTIMATE 1865-66.	ESTIMATE 1864-65.
						£. s. d.	£. s. d.
Brought forward - - -						25,235 - -	25,220 - -
Attached to Regiments— <i>continued.</i>						£.	
Brought forward - - Victoria Cross Pensions - - -						300	
40th Foot	-	-	-	Colour-Serjeant John Lucas	- - -	10	
42d "	-	-	-	" William Gardner	(£. 10)	{ Paid by Indian Government.	
42d "	-	-	-	Private James Davis	(£. 10)	- ditto.	
42d "	-	-	-	Lance-Corporal Alexander Thompson	(£. 10)	- ditto.	
44th "	-	-	-	Serjeant William M'Wheeney	(£. 10)	- ditto.	
44th "	-	-	-	Private John M'Dougall	(£. 10)	- ditto.	
47th "	-	-	-	" John M'Dermond	- - -	10	
49th "	-	-	-	Corporal James Owens	- - -	10	
52d "	-	-	-	Lance-Corporal Henry Smith	(£. 10)	{ Paid by Indian Government.	
53d "	-	-	-	Private Charles Irwin	- - -	10	
53d "	-	-	-	" J. Kenny	- - -	10	
57th "	-	-	-	Drummer Dudley Stagpoole	- - -	10	
60th "	1st Battalion	-	-	Colour-Serjeant George Waller	- - -	10	
60th "	" "	"	-	" Stephen Garvin	- - -	10	
60th "	" "	"	-	Bugler William Sutton	- - -	10	
60th "	" "	"	-	Private James Thompson	- - -	10	
64th "	-	-	-	Drummer Thomas Flinn	- - -	10	
67th "	-	-	-	Private Thomas Lane	- - -	10	
68th "	-	-	-	" John Byrne	- - -	10	
68th "	-	-	-	Serjeant John Murray	- - -	10	
71st "	-	-	-	Private George Rodgers	(£. 10)	{ Paid by Indian Government.	
75th "	-	-	-	Colour-Serjeant Cornelius Coghlan	- - -	10	
77th "	-	-	-	Serjeant John Park	(£. 10)	{ Paid by Indian Government.	
78th "	-	-	-	" Henry Ward	- - -	10	
78th "	-	-	-	Colour-Serjeant Stewart M'Pherson	- - -	10	
84th "	-	-	-	Lance-Corporal Abraham Boulger	- - -	10	
84th "	-	-	-	" " John Synnott	- - -	10	
90th "	-	-	-	" " Patrick Grahame	(£. 10)	{ Paid by Indian Government.	
90th "	-	-	-	Serjeant Samuel Hill	(£. 10)	- ditto.	
93d "	-	-	-	Lance-Corporal John Dunley	(£. 10)	- ditto.	
93d "	-	-	-	Private Peter Grant	(£. 10)	- ditto.	
93d "	-	-	-	" David M'Kay	(£. 10)	- ditto.	
93d "	-	-	-	Serjeant John Paton	(£. 10)	- ditto.	
101st "	-	-	-	Drummer M. Ryan	(£. 10)	- ditto.	
102d "	-	-	-	Serjeant Patrick Mahoney	(£. 10)	- ditto.	
102d "	-	-	-	Private John Ryan	(£. 10)	- ditto.	
102d "	-	-	-	" Thomas Duffy	(£. 10)	- ditto.	
102d "	-	-	-	" J. Smith	(£. 10)	- ditto.	
Rifle Brigade, 2d Battalion	"	"	"	Joseph Bradshaw	(£. 10)	- ditto.	
"	"	2d	"	" Robert Humpston	(£. 10)	- ditto.	
"	"	2d	"	" R. M'Gregor	(£. 10)	- ditto.	
"	"	3d	"	Private Samuel Shaw	(£. 10)	- ditto.	
Carried forward - - - £.						490	25,235 - - 25,220 - -

VOTE 19.—REWARDS for Distinguished Services, &c.—*continued.*

		ESTIMATE 1865-66.	ESTIMATE 1864-65.
		£. s. d.	£. s. d.
Brought forward - - -		25,235 - -	25,220 - -
Brought forward - - Victoria Cross Pensions - - -		£. 490	
Discharged Non-Commissioned Officers and Men:			
4th Hussars - - -	Private Samuel Parkes - - -	10	
8th " - - -	Farrier George Hollis - - -	10	
8th " - - -	Troop Serjeant-Major James Champion - - -	10	
9th Lancers - - -	Private Thomas Hancock - - -	10	
9th " - - -	Troop Serjeant-Major David Spence - - -	10	
9th " - - -	Serjeant H. Hartigan - - -	10	
9th " - - -	Private Patrick Donohue - - -	10	
Royal Artillery - - -	Serjeant Daniel Cambridge - - -	10	
Grenadier Guards - - -	Serjeant Alfred Ablett - - -	10	
" - - -	Private Anthony Palmer - - -	10	
4th Foot - - -	Private T. Grady - - -	10	
7th " - - -	Corporal Matthew Hughes - - -	10	
10th " - - -	Private John Kirk - - -	10	
19th " - - -	Private Samuel Evans - - -	10	
19th " - - -	" John Lyons - - -	10	
23d " - - -	Corporal Robert Shields - - -	10	
42d " - - -	Private Duncan Millar - - -	10	
43d " - - -	" Henry Addison - - -	10	
49th " - - -	Serjeant George Walters - - -	10	
52d " - - -	Bugler Robert Hawthorn - - -	10	
53d " - - -	Serjeant Dennis Dynan - - -	10	
57th " - - -	Colour-Serjeant George Gardiner - - -	10	
60th " - - -	Private Samuel Turner - - -	10	
60th " - - -	" John Divane - - -	10	
75th " - - -	" Patrick Green - - -	10	
78th " - - -	" James Hollowell - - -	10	
84th " - - -	" Joel Holmes - - -	10	
84th " - - -	" Patrick Mylott - - -	10	
86th " - - -	" James Byrne - - -	10	
86th " (late 56th Foot) - - -	Lance-Corporal James Pearson - - -	10	
93d " - - -	Colour-Serjeant James Munro - - -	10	
95th " - - -	Private Bernard M'Quirt - - -	10	
101st " - - -	" John M'Gauran - - -	10	
109th " - - -	" Frederick Whirlpool - - -	10	
Rifle Brigade - - -	Corporal W. Nash - - -	10	
" - - -	Private F. Wheatley - - -	10	
TOTAL for Victoria Cross Pensions (say) - - - £.		850	850 - - 800 - -
TOTAL for Rewards for Distinguished or Meritorious Service, and for Victoria Cross Pensions - - - } £.		26,085 - -	26,020 - -
		£. 26,085 - -	26,020 - -

AMOUNT of ESTIMATE for 1865-66 (Vote 19.) - - - £. 26,100.

Vote 20.

PAY OF GENERAL OFFICERS.

DETAILS of the CHARGE of the PAY of GENERAL OFFICERS of Her Majesty's Forces, not being Colonels of Regiments or Battalions, from the 1st April 1865 to the 31st March 1866.

Numbers. 1865-66.		ESTIMATE, 1865-66.	ESTIMATE, 1864-65.	
			Nos.	Charge.
		£. s. d.		£. s. d.
2	General Officers - - at £.1 12 4 per diem -	1,180 3 4	3	1,770 5 -
2	Ditto - - - - „ 1 9 2 „ - -	1,064 11 8	2	1,064 11 8
1	Ditto - - - - „ 1 7 1 „ - -	494 5 5	1	494 5 5
20	Ditto - - - - „ 1 6 3 „ - -	9,581 5 -	20	9,581 5 -
114	Ditto - - - - „ 1 5 - „ - -	52,012 10 -	113	51,556 5 -
11	Ditto - - - - „ 600 - - per annum -	6,600 - -	12	7,200 - -
2	Ditto - - - - „ 550 - - „ -	1,100 - -	3	1,650 - -
-	Add probable increase caused by promotion of Guards' Officers to Major-General - - - - }	167 4 7	-	83 7 11
		72,200 - -	-	73,400 - -
5	Specially allowed to General Officers, who having been promoted under the General Order of 1826, were awarded 400 l. a year each, on the recommendation of the Committee of the House of Commons that they should have Unattached Pay as General Officers - - - - }	2,000 - -	5	2,000 - -
157	- - TOTAL NUMBERS and CHARGE - - - £.	74,200 - -	159	75,400 - -

AMOUNT of ESTIMATE for 1865-66 (Vote 20) - - - - £. 74,200.

Vote 21.

FULL PAY OF REDUCED AND RETIRED OFFICERS, AND HALF PAY, &c.

A B S T R A C T.

		ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
		£.	s.	d.	£.	s.	d.
Paper A.	- Full Pay of Reduced and Retired Officers of Her Majesty's Forces	112,500	-	-	118,500	-	-
„ B.	- Half-Pay and Military Allowances of ditto - - - - -	324,359	-	-	317,000	-	-
„ C.	- Half Pay and Reduced Allowances to Officers of disbanded Foreign Corps, Pensions to Wounded Foreign Officers, and Allowances to Widows and Children of deceased Foreign Officers - - -	18,127	-	-	18,971	-	-
		£.	454,986	-	£.	449,471	-

AMOUNT OF ESTIMATE for 1865-66 (Vote 21) - - - - £.455,000.

Paper A.

DETAILS of the CHARGE of FULL PAY for REDUCED and RETIRED OFFICERS of Her Majesty's Forces, from the 1st April 1864 to the 31st March 1865.

Nos.		ESTIMATE, 1865-66.						ESTIMATE, 1864-65.					
1865-66.		Per Diem.		Per Annum.				Nos.		Per Annum.			
		£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
25	Lieut.-Colonels - at 20 - a day	25	-	-	9,125	-	-						
30	Ditto - - 17 -	25	10	-	9,307	10	-						
55	Majors - - 16 - „	44	-	-	16,060	-	-						
1	Captain and Brevet Field Officer } 16 - „	-	16	-	292	-	-						
57	Ditto - - 13 7 „	38	14	3	14,130	1	3						
51	Captains - - 11 7 „	29	10	9	10,781	3	9						
219		163	11	-	59,695	15	-	219	59,578	12	11		
	For further Payments during the Year - - - - -	-	-	-	304	5	-	-	421	7	1	60,000	-
* 1	Captain - - at 12 6 a day	-	12	6	228	2	6						
1	Ditto - - 10 6 „	-	10	6	191	12	6						
14	Lieutenants - 7 6 „	5	5	-	1,916	5	-						
4	Ditto - - 6 6 „	1	6	-	474	10	-						
1	Ensign - - 5 3 „	-	5	3	95	16	3						
3	Quartermasters - 6 6 „	-	19	6	355	17	6						
1	Ditto - - 6 - „	-	6	-	109	10	-						
25		9	4	9	3,371	13	9	-	-	-	4,275	1	3
					63,371	13	9	31	-	-	64,275	1	3
	Deduct probable Saving by Casualties amongst Subalterns } and Officers placed on list prior to 1840 - - - - -				371	13	9	-	-	-	275	1	3
244	- - - - Carried forward - - - - -				63,000	-	-	250	-	-	64,000	-	-

N.B.—The charge of Retired Full Pay for Subalterns, Quartermasters, &c., now borne on the above Estimate, will eventually cease by casualties, as will that also for the two Officers marked *, who were placed upon retired Full Pay prior to the Warrant of 1840, and who are consequently in excess of the 60,000*l.*

Vote 21.—Paper A.—DETAILS of the Charge of Full Pay for Reduced and Retired Officers, &c.—*continued.*

Nos.	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
1865-66.	Per Diem.	Per Annum.		Nos.	Per Annum.	
	£. s. d.	£. s. d.	£. s. d.		£. s. d.	£. s. d.
244	- - - Brought forward - - -	-	- - -	63,000 - -	250	- - - 64,000 - -
Under Royal Warrants of 16th July 1840 and 14th October 1858 :						
ROYAL ARTILLERY :						
20 General Officers, at 600 <i>l.</i> p' an.	- -	12,000 - -				
1 ditto - - - at 450 <i>l.</i> „	- -	450 - -				
7 Lieut.-Colonels, at 400 <i>l.</i> „	- -	2,800 - -				
1 ditto - - at 20 ^{s.} ^{d.} - p' diem	1 - -	365 - -				
16 ditto - - 18 1 „	14 9 4	5,280 6 8				
10 ditto - - 16 11 „	8 9 2	3,087 5 10				
1 Captain - 18 1 „	- 18 1	330 - 5				
4 ditto - - 14 2 „	2 16 8	1,034 3 4				
23 ditto - - 12 2 „	13 19 10	5,106 19 2				
4 ditto - - 11 1 „	2 4 4	809 1 8				
2 Lieutenants 10 10 „	1 1 8	395 8 4				
ROYAL ENGINEERS :						
17 General Officers, at 600 <i>l.</i> p' an.	- -	10,200 - -				
3 Lieut.-Colonels at 400 <i>l.</i> „	- -	1,200 - -				
2 ditto - - - at 20 ^{s.} ^{d.} - p' diem	2 - -	730 - -				
4 ditto - - - 18 1 „	3 12 4	1,320 1 8				
1 ditto - - - 16 1 „	- 16 1	293 10 5				
3 Captains - - 13 1 „	1 19 3	716 6 3				
7 ditto - - - 11 1 „	3 17 7	1,415 17 11				
126		47,534 1 8	- - -	127	47,289 18 9	
For further Payments during the year - - - - - }	- -	465 18 4	- - -	-	710 1 3	
			48,000 - -			48,000 - -
Prior to the Royal Warrant of 16th July 1840.						
ROYAL ARTILLERY AND ROYAL ENGINEERS :						
2 Lieut.-Colonels, at 450 <i>l.</i> p' an.	- -	900 - -				
3 Captains - - at 11 ^{s.} ^{d.} 1 p' diem	1 13 3	606 16 3				
1 ditto - - - 14 2 „	- 14 2	258 10 10				
2 Lieutenants - 7 10 „	- 15 8	285 18 4				
8			2,051 5 5	11	3,053 10 10	3,053 10 10
			113,051 5 5			115,053 10 10
			551 5 5	-	- - -	1,553 10 10
378	TOTAL NUMBERS and CHARGE	- -	£. 112,500 - -	388	- - -	113,500 - -

Paper B.

HALF-PAY, &c.

DETAIL of the CHARGE of HALF-PAY and MILITARY ALLOWANCES to REDUCED and RETIRED OFFICERS of Her Majesty's Land Forces, from the 1st April 1865 to the 31st March 1866.

NUMBERS.		HALF-PAY :	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.			
1865-66.			Per Diem.	Per Annum.		NUMBERS.	Per Annum.		
			£. s. d.	£. s. d.	£. s. d.		£. s. d.	£. s. d.	
	1	Colonel - - - at 14/6 a day	- 14 6	264 12 6	- - -	-	1	264 12 6	
	1	Lieutenant-Colonel - - - 8/6 -	- 8 6	155 2 6	- - -	-	-	-	
	4	Ditto - - - 10/1 -	2 - 4	736 1 8	- - -	-	4	736 1 8	
	113	Ditto - - - 11/ -	62 3 -	22,684 15 -	- - -	-	110	22,082 10 -	
	2	Ditto - - - 11/8 -	1 3 4	425 16 8	- - -	-	2	425 16 8	
	2	Ditto - - - 12/6 -	1 5 -	456 5 -	- - -	-	1	228 2 6	
123				24,722 13 4		118		23,737 3 4	
	188	Majors - - - at 9/6 a day	89 6 -	32,594 10 -	- - -	-	178	30,860 15 -	
	6	Ditto - - - 10/ -	3 - -	1,095 - -	- - -	-	7	1,277 10 -	
194				33,689 10 -		185		32,138 5 -	
	1	Captain - - - at 3/11 a day	- 3 11	71 9 7	- - -	-	1	71 9 7	
	14	Ditto - - - 5/ -	3 10 -	1,277 10 -	- - -	-	15	1,368 15 -	
	1	Ditto - - - 5/6 -	- 5 6	100 7 6	- - -	-	1	100 7 6	
	286	Ditto - - - 7/ -	100 2 -	36,536 10 -	- - -	-	291	37,175 5 -	
	21	Ditto - - - 7/4 -	7 14 -	2,810 10 -	- - -	-	17	2,275 3 4	
	20	Ditto - - - 7/6 -	7 10 -	2,737 10 -	- - -	-	22	3,011 5 -	
	93	Ditto - - - 8/ -	37 4 -	13,578 - -	- - -	-	104	15,184 - -	
	6	Ditto - - - 8/4 -	2 10 -	912 10 -	- - -	-	5	760 8 4	
	3	Ditto - - - 9/6 -	1 8 6	520 2 6	- - -	-	3	520 2 6	
	2	Ditto - - - 10/ -	1 - -	365 - -	- - -	-	2	365 - -	
	1	Ditto (receiving a portion of Half-pay)	- - -	57 1 10	- - -	-	1	57 1 10	
448				58,966 11 5		462		60,888 18 1	
	53	Second Captains - - - at 7/4 a day	19 8 8	7,093 3 4	- - -	-	54	7,227 - -	
	4	Ditto - - - 7/6 -	1 10 -	547 10 -	- - -	-	3	410 12 6	
	-	Ditto - - - 8/4 -	- - -	- - -	- - -	-	1	152 1 8	
57				7,640 13 4		58		7,789 14 2	
	-	Captain Lieutenant - - - at 7/ a day	- - -	- - -	- - -	-	1	127 15 -	
						1		127 15 -	
	7	Lieutenants - - - at 2/4 a day	- 16 4	298 1 8	- - -	-	9	383 5 -	
	1	Ditto - - - 3/ -	- 3 -	54 15 -	- - -	-	1	54 15 -	
	1	Ditto - - - 3/2 -	- 3 2	57 15 10	- - -	-	-	-	
	79	Ditto - - - 4/ -	15 16 -	5,767 - -	- - -	-	88	6,424 - -	
	9	Ditto - - - 4/2 -	1 17 6	684 7 6	- - -	-	9	684 7 6	
	300	Ditto - - - 4/6 -	67 10 -	24,637 10 -	- - -	-	297	24,391 2 6	
	66	Ditto - - - 4/8 -	15 8 -	5,621 - -	- - -	-	73	6,217 3 4	
	3	Ditto - - - 5/2 -	- 15 6	282 17 6	- - -	-	3	282 17 6	
466				37,403 7 6		480		38,437 10 10	
	1	Cornet, Ensign, Second and Sub-Lieutenant - - - at 1/10 a day	- 1 10	33 9 2	- - -	-	2	66 18 4	
	1	Ditto - - - 2/ -	- 2 -	36 10 -	- - -	-	1	36 10 -	
	53	Ditto - - - 3/ -	7 19 -	2,901 15 -	- - -	-	56	3,066 - -	
	3	Ditto - - - 3/2½ -	- 9 6½	174 10 3½	- - -	-	3	174 10 3½	
	16	Ditto - - - 3/6 -	2 16 -	1,022 - -	- - -	-	17	1,085 17 6	
	2	Ditto - - - 3/9½ -	- 7 6½	137 12 8½	- - -	-	2	137 12 8½	
	1	Ditto - - - 6/7 -	- 6 7	120 2 11	- - -	-	1	120 2 11	
	1	Ditto - - - 8/ -	- 8 -	146 - -	- - -	-	1	146 - -	
78				4,572 - 1½		83		4,833 11 9½	
1,366	-	- - - Carried forward - - -	- - -	- - - £.	166,994 15 8½	1,387	-	- - - £.	167,952 18 2½

Vote 21.—Paper B.—DETAIL of the Charge of Half-Pay and Military Allowances, &c.—continued.

NUMBERS.	1865-66.	HALF-PAY:	ESTIMATE, 1865-66.						ESTIMATE, 1864-65.					
			Per Diem.		Per Annum.				NUMBERS.		Per Annum.			
			£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
1,366	-	Brought forward	-	-	-	-	-	-	1,387	-	-	-	-	-
1	1	Paymaster - - - at 4/ a day	-	4	-	73	-	-	2	146	-	-	-	-
1	1	Ditto - - - 4/8 -	-	4	8	85	3	4	1	85	3	4	-	-
6	6	Ditto - - - 6/ -	1	16	-	657	-	-	5	547	10	-	-	-
1	1	Ditto - - - 7/ -	-	7	-	127	15	-	2	255	10	-	-	-
14	14	Ditto - - - 7/6 -	5	5	-	1,916	5	-	17	2,326	17	6	-	-
10	10	Ditto - - - 8/ -	4	-	-	1,460	-	-	8	1,168	-	-	-	-
6	6	Ditto - - - 10/ -	3	-	-	1,095	-	-	8	1,460	-	-	-	-
4	4	Ditto - - - 12/6 -	2	10	-	912	10	-	6	1,368	15	-	-	-
17	17	Ditto - - - 13/ -	11	1	-	4,033	5	-	17	4,033	5	-	-	-
1	1	Ditto - - - 14/ -	-	14	-	255	10	-	1	255	10	-	-	-
13	13	Ditto - - - 15/ -	9	15	-	3,558	15	-	11	3,011	5	-	-	-
74	2	Riding Masters - - - at 3/ a day	-	6	-	109	10	-	78	2	109	10	-	14,657 15 10
2	2	Adjutants - - - at 2/ a day	-	4	-	73	-	-	2	73	-	-	-	109 10 -
3	3	Ditto - - - 4/ -	-	12	-	219	-	-	3	219	-	-	-	-
2	2	Ditto - - - 4/6 -	-	9	-	164	5	-	3	246	7	6	-	-
1	1	Ditto - - - 5/ -	-	5	-	91	5	-	-	-	-	-	-	-
1	1	Ditto - - - 8/ -	-	8	-	146	-	-	1	146	-	-	-	-
9	-	Quartermaster - - - at 2/ a day	-	-	-	-	-	-	9	1	86	10	-	684 7 6
1	1	Ditto - - - 2/6 -	-	2	6	45	12	6	1	45	12	6	-	-
15	15	Ditto - - - 3/ -	2	5	-	821	5	-	15	876	-	-	-	-
12	12	Ditto - - - 4/ -	2	8	-	876	-	-	13	949	-	-	-	-
2	2	Ditto - - - 5/ -	-	10	-	182	10	-	2	182	10	-	-	-
7	7	Ditto - - - 6/ -	2	2	-	766	10	-	9	985	10	-	-	-
3	3	Ditto - - - 7/ -	1	1	-	383	5	-	3	383	5	-	-	-
2	2	Ditto - - - 7/10 -	-	15	8	285	18	4	2	285	18	4	-	-
20	20	Ditto - - - 8/ -	8	-	-	2,920	-	-	23	3,358	-	-	-	-
82	82	Ditto - - - 10/ -	41	-	-	14,965	-	-	75	13,687	10	-	-	-
1	1	Ditto - - - 12/ -	-	12	-	219	-	-	1	219	-	-	-	-
145	3	Veterinary Surgeons - - - at 3/6 a day	-	10	6	191	12	6	145	3	191	12	6	21,008 15 10
-	1	Ditto - - - 4/ -	-	4	-	-	-	-	1	73	-	-	-	-
1	1	Ditto - - - 4/6 -	-	4	6	82	2	6	1	82	2	6	-	-
1	1	Ditto - - - 5/ -	-	5	-	91	5	-	1	91	5	-	-	-
1	1	Ditto - - - 5/6 -	-	5	6	100	7	6	1	100	7	6	-	-
3	3	Ditto - - - 7/ -	1	1	-	383	5	-	1	127	15	-	-	-
3	3	Ditto - - - 8/ -	1	4	-	438	-	-	3	438	-	-	-	-
1	1	Ditto - - - 10/ -	-	10	-	182	10	-	1	182	10	-	-	-
2	2	Ditto - - - 11/6 -	1	3	-	419	15	-	2	419	15	-	-	-
4	4	Ditto - - - 12/ -	2	8	-	876	-	-	4	876	-	-	-	-
2	2	Ditto - - - 13/6 -	1	7	-	492	15	-	2	492	15	-	-	-
21	-	Staff Officers:	-	-	-	-	-	-	20	-	-	-	-	3,075 2 6
2	2	Chaplains - - - 3/4 -	-	6	8	121	13	4	-	-	-	-	-	-
2	2	Ditto - - - 5/ -	-	10	-	182	10	-	1	91	5	-	-	-
1	1	Ditto - - - 7/ -	-	7	-	127	15	-	1	127	15	-	-	-
2	2	Ditto - - - 7/6 -	-	15	-	273	15	-	-	-	-	-	-	-
2	2	Ditto - - - 16/ -	1	12	-	584	-	-	2	584	-	-	-	-
9	1	Sub-Inspector of Militia - 7/ -	-	7	-	127	15	-	4	1	127	15	-	803 - -
1	-	Medical Officers:	-	-	-	-	-	-	1	1	127	15	-	127 15 -
5	5	Inspectors General of Hos- pitals - - - at 30/ a day	7	19	-	2,737	10	-	6	3,285	-	-	-	-
-	-	Ditto - - - 31/6 -	-	-	-	-	-	-	1	574	17	6	-	-
10	10	Ditto - - - 37/6 -	18	15	-	6,843	15	-	6	4,106	5	-	-	-
1	1	Deputy ditto - - - 12/6 -	-	12	6	228	2	6	1	228	2	6	-	-
1	1	Ditto - - - 14/ -	-	14	-	255	10	-	1	255	10	-	-	-
2	2	Ditto - - - 17/ -	1	14	-	620	10	-	2	620	10	-	-	-
1	1	Ditto - - - 18/ -	-	18	-	328	10	-	1	328	10	-	-	-
9	9	Ditto - - - 20/ -	9	-	-	3,285	-	-	9	3,285	-	-	-	-
1	1	Ditto - - - 21/ -	1	1	-	383	5	-	1	383	5	-	-	-
4	4	Ditto - - - 22/6 -	4	10	-	1,642	10	-	3	1,231	17	6	-	-
1	1	Ditto - - - 23/9½ -	1	3	9½	434	3	11½	1	434	3	11½	-	-
6	6	Ditto - - - 25/6 -	7	13	-	2,792	5	-	6	2,792	5	-	-	-
41	1	Assistant Inspector - - - at 20/ a day	1	-	-	365	-	-	38	1	365	-	-	17,525 6 5½
2	2	Physicians - - - 10/ -	1	-	-	365	-	-	2	365	-	-	-	-
1	1	Physician and Surgeon - 23/10 -	1	3	10	434	19	2	1	434	19	2	-	-
4	1	Surgeon-Major - - - at 7/ a day	-	7	-	127	15	-	4	1	127	15	-	1,164 19 2
2	2	Ditto - - - 13/6 -	1	7	-	492	15	-	2	492	15	-	-	-
5	5	Ditto - - - 16/6 -	4	2	6	1,505	12	6	3	903	7	6	-	-
5	5	Ditto - - - 17/6 -	4	7	6	1,596	17	6	3	958	2	6	-	-
34	34	Ditto - - - 18/6 -	31	9	-	11,479	5	-	31	10,466	7	6	-	-
5	5	Ditto - - - 21/1 -	5	5	5	1,923	17	1	5	1,923	17	1	-	-
52	-	-	-	-	-	-	-	-	45	-	-	-	-	14,872 4 7
1,724	-	Carried forward	-	-	-	£.	245,964	3	4½	1,733	-	-	£.	241,981 15 -¾

Vote 21.—Paper B.—DETAIL of the Charge of Half Pay and Military Allowances, &c.—*continued.*

NUMBERS.		ESTIMATE, 1865-66.						ESTIMATE, 1864-65.											
1865-66.		HALF-PAY :		Per Diem.		Per Annum.		NUMBERS.		Per Annum.									
				£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.				
1,724	-	Brought forward		-	-	-	-	-	245,954	3	4 ³ / ₄	1,733	-	-	-	241,981	15	- ³ / ₄	
Medical Officers—continued.																			
	2	Surgeons	-	-	5/	a day	-	10	-	182	10	-	-	2	182	10	-		
	2	Ditto	-	-	5/6		-	11	-	200	15	-	-	2	200	15	-		
	5	Ditto	-	-	6/		-	1	10	547	10	-	-	3	328	10	-		
	16	Ditto	-	-	7/		-	5	12	2,044	-	-	-	17	2,171	15	-		
	2	Ditto	-	-	8/		-	-	16	292	-	-	-	2	292	-	-		
	1	Ditto	-	-	8/6		-	-	8	155	2	6	-	1	155	2	6		
	6	Ditto	-	-	10/		-	3	-	1,095	-	-	-	7	1,277	10	-		
	2	Ditto	-	-	11/		-	1	2	401	10	-	-	1	200	15	-		
	3	Ditto	-	-	11/6		-	1	14	629	12	6	-	4	839	10	-		
	3	Ditto	-	-	12/		-	1	16	657	-	-	-	2	438	-	-		
	25	Ditto	-	-	13/		-	16	5	5,931	5	-	-	28	6,043	-	-		
	8	Ditto	-	-	13/6		-	5	8	1,971	-	-	-	6	1,478	5	-		
	31	Ditto	-	-	15/		-	23	5	8,486	5	-	-	34	9,307	10	-		
	2	Ditto	-	-	16/		-	1	12	584	-	-	-	2	584	-	-		
	2	Ditto	-	-	17/		-	1	14	620	10	-	-	2	620	10	-		
	-	Ditto	-	-	17/6		-	-	-	-	-	-	-	2	638	15	-		
	4	Ditto	-	1st Class	15/		-	3	-	1,095	-	-	-	4	1,095	-	-		
	11	Ditto	-	ditto	17/		-	9	7	3,412	15	-	-	10	3,102	10	-		
	3	Ditto	-	2d Class	6/		-	-	18	328	10	-	-	5	547	10	-		
	1	Ditto	-	ditto	8/6		-	-	8	155	2	6	-	1	155	2	6		
	-	Ditto	-	ditto	13/		-	-	-	-	-	-	-	1	237	5	-		
	2	Ditto	-	ditto	15/		-	1	10	547	10	-	-	2	547	10	-		
						29,336		17	6							31,043		5	-
131	3	Assistant Surgeons	-	-	at 2/	a day	-	6	-	109	10	-	-	3	109	10	-		
	9	Ditto	-	-	3/		-	1	7	492	15	-	-	11	602	5	-		
	20	Ditto	-	-	4/		-	4	-	1,460	-	-	-	23	1,679	-	-		
	1	Ditto	-	-	5/		-	-	5	91	5	-	-	1	91	5	-		
	5	Ditto	-	-	6/		-	1	10	547	10	-	-	6	657	-	-		
	1	Ditto	-	-	7/		-	-	7	127	15	-	-	1	127	15	-		
	20	Ditto	-	-	8/		-	8	-	2,920	-	-	-	17	2,482	-	-		
						5,748		15	-							5,748		15	-
59	-	Apothecary	-	-	at 5/	a day	-	-	-	-	-	-	-	1	91	5	-		
	2	Hospital Assistants	-	-	2/		-	4	-	73	-	-	-	3	109	10	-		
	1	Principal Purveyor	-	-	18/		-	-	18	328	10	-	-	1	328	10	-		
	1	Ditto	-	-	18/9		-	-	18	342	3	9	-	1	342	3	9		
	1	Purveyor	-	-	6/9		-	-	6	123	3	9	-	2	246	7	6		
	1	Ditto	-	-	10/		-	-	10	182	10	-	-	1	182	10	-		
	1	Ditto	-	-	11/3		-	-	11	205	6	3	-	-	-	-	-		
	5	Deputy Purveyors	-	-	5/		-	1	5	456	5	-	-	5	456	5	-		
	1	Purveyor's Clerk	-	-	3/6		-	-	3	63	17	6	-	1	63	17	6		
	1	Ditto	-	-	3/9		-	-	3	68	8	9	-	1	68	8	9		
						1,843		5	-							1,888		17	6
14	Store Officers :																		
	1	Principal Superintendent of Stores	-	-	33/	a day	1	13	-	602	5	-	-	-	-	-	-		
	1	Superintendent of Stores	-	-	22/6		1	2	6	410	12	6	-	-	-	-	-		
	1	Deputy Superintendent of Stores	-	-	18/		-	18	-	328	10	-	-	1	328	10	-		
	3	Assistant Superintendents of Stores	-	-	8/3		1	4	9	451	13	9	-	2	301	2	6		
	4	Ditto	-	-	12/3		2	9	-	894	5	-	-	4	894	5	-		
	6	Deputy Assistant Superintendents of Stores	-	-	5/3		1	11	6	574	17	6	-	6	574	17	6		
	1	Ditto	-	-	7/6		-	7	6	136	17	6	-	1	136	17	6		
	-	Ditto	-	-	12/		-	-	-	-	-	-	-	1	219	-	-		
						3,399		1	3							2,454		12	6
17	Commissariat Officers :																		
Commissary General in Chief																			
	3	Commissary-Generals	-	-	at 40/	a day	6	-	-	2,190	-	-	-	2	1,460	-	-		
	7	Ditto	-	-	29/3		10	4	9	3,736	13	9	-	7	3,736	13	9		
	13	Deputy Commissaries-General	-	-	25/		16	5	-	5,931	5	-	-	11	5,018	15	-		
	4	Ditto	-	-	19/		-	3	16	1,387	-	-	-	5	1,733	15	-		
	1	Ditto	-	-	15/		-	-	15	273	15	-	-	1	273	15	-		
	13	Ditto	-	-	14/8		9	10	8	3,479	13	4	-	13	3,479	13	4		
	13	Assistant ditto	-	-	15/		9	15	-	3,558	15	-	-	14	3,558	15	-		
	3	Ditto	-	-	10/		1	10	-	547	10	-	-	5	912	10	-		
	8	Ditto	-	-	9/6		3	16	-	1,387	-	-	-	9	1,560	7	6		
	15	Ditto	-	-	7/4		5	10	-	2,007	10	-	-	16	2,141	6	8		
	1	Deputy Assistant ditto	-	-	6/4		-	6	4	115	11	8	-	1	115	11	8		
	4	Ditto	-	-	6/3		1	5	-	456	5	-	-	3	342	3	9		
	20	Ditto	-	-	4/11		4	18	4	1,794	11	8	-	21	1,884	6	3		
						27,720		10	5							26,217		12	11
106																			
2,051	-	Carried forward		-	-	-	-	-	£.	314,002	12	6 ³ / ₄	2,072	-	-	£.	309,334	17	11 ³ / ₄

Vote 21.—Paper B.—DETAIL of the Charge of Half-Pay and Military Allowances, &c.—*continued.*

NUMBERS.		HALF-PAY:	ESTIMATE, 1865-66.						ESTIMATE, 1864-65.											
1865-66.			Per Diem.		Per Annum.				Numbers.		Per Annum.									
			£.	s.	d.	£.	s.	d.	£.	s.	d.		£.	s.	d.					
2,051	-	- - - Brought forward - - -	-	-	-	-	-	-	314,002	12	6	3/4	2,072	-	- - - 309,334	17	11 1/2			
Field Train Department:																				
1	-	Commissary, 2d Class - at 7/6 a day	-	7	6	136	17	6	-	-	-	-	1	136	17	6	-			
-	-	Assistant Commissaries, 1st Class 5/-	-	-	-	-	-	-	-	-	-	-	2	182	10	-	-			
10	-	Ditto - - 2d Class 4/-	2	-	-	730	-	-	-	-	-	-	10	730	-	-	-			
3	-	Deputy Assistant Commis-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	saries - - 1st Class 3/6 -	-	10	6	191	12	6	-	-	-	-	3	191	12	6	-			
2	-	Ditto - - 2d Class 3/-	-	6	-	109	10	-	-	-	-	-	2	109	10	-	-			
1	-	Clerk of Stores, 1st Class -	-	-	-	84	-	-	-	-	-	-	1	84	-	-	-			
9	-	Ditto - - 2d Class - 3/-	1	7	-	492	15	-	-	-	-	-	9	492	15	-	-			
5	-	Ditto - - ditto 2/6 -	-	12	6	228	2	6	-	-	-	-	5	228	2	6	-			
3	-	Conductors of Stores, 1st Class, 2/6 -	-	7	6	136	17	6	-	-	-	-	5	228	2	6	-			
7	-	Ditto - - 2d Class 2/-	-	14	-	255	10	-	-	-	-	-	10	365	-	-	-			
14	-	Ditto - - ditto 1/4 -	-	18	8	340	13	4	-	-	-	-	13	316	6	8	-			
55	-								2,705	18	4		61				3,064	16	8	
Reduced Officers of Her Majesty's American Forces:																				
1	-	Captain - - - at 5/- a day	-	5	-	91	5	-	-	-	-	-	1	91	5	-	-			
1	-	Lieutenant - - - 2/4 -	-	2	4	42	11	8	-	-	-	-	1	42	11	8	-			
2	-	Ditto - - - 4/-	-	8	-	146	-	-	-	-	-	-	2	146	-	-	-			
1	-	Ensign - - - 1/10 -	-	1	10	33	9	2	-	-	-	-	1	33	9	2	-			
5	-								313	5	10		5				313	5	10	
MILITARY ALLOWANCES:																				
Reduced and Retired Officers of Her Majesty's Land Forces:																				
Regimental Officers:																				
2	-	Lieutenants - - - at 4/6 a day	-	9	-	164	5	-	-	-	-	-	2	164	5	-	-			
-	-	Paymasters - - - 7/6 -	-	-	-	310	5	-	-	-	-	-	2	273	15	-	-			
3	-	Ditto - - - 20/-	3	-	-	1,095	-	-	-	-	-	-	3	1,095	-	-	-			
1	-	Paymaster - - - 25/-	1	5	-	456	5	-	-	-	-	-	-	-	-	-	-			
1	-	Ditto - - - 18/-	-	18	-	328	10	-	-	-	-	-	-	-	-	-	-			
1	-	Quartermaster - - 13/-	-	13	-	237	5	-	-	-	-	-	1	237	5	-	-			
1	-	Ditto - - - 4/6 -	-	4	6	82	2	6	-	-	-	-	1	82	2	6	-			
2	-	Chaplains - - - 4/-	-	8	-	146	-	-	-	-	-	-	2	146	-	-	-			
-	-	Ditto - - - 7/6 -	-	-	-	-	-	-	-	-	-	-	1	136	17	6	-			
1	-	Adjutant - - - 2/-	-	2	-	36	10	-	-	-	-	-	1	36	10	-	-			
Staff and Garrison Officers:																				
1	-	Chaplain - - - at per annum	-	-	-	35	-	-	-	-	-	-	1	35	-	-	-			
1	-	Depôt Riding Master - 17/- a day	-	17	-	310	5	-	-	-	-	-	1	310	5	-	-			
1	-	Ditto, Paymaster - 3/6 -	-	3	6	63	17	6	-	-	-	-	1	63	17	6	-			
1	-	Provost Marshal - - per annum	-	-	-	200	-	-	-	-	-	-	1	200	-	-	-			
1	-	Quartermaster, Military Asylum -	-	-	-	75	-	-	-	-	-	-	1	75	-	-	-			
1	-	Assistant Inspector of Militia - 3/- a day	-	3	-	54	15	-	-	-	-	-	1	54	15	-	-			
1	-	Drill Serjeant of Militia - 1/-	-	1	-	18	5	-	-	-	-	-	1	18	5	-	-			
7	-	Military Surveyors and Draughtsmen, 2d Class - - - 3/- a day	1	1	-	383	5	-	-	-	-	-	8	438	-	-	-			
3	-	Ditto - 3d Class - 2/5 -	-	7	3	132	6	3	-	-	-	-	3	132	6	3	-			
Medical Officers:																				
1	-	Director General of Army Medical Department - - - per annum	-	-	-	1,200	-	-	-	-	-	-	1	1,200	-	-	-			
2	-	Ditto - - - 37/11 a day	3	15	10	1,383	19	2	-	-	-	-	3	2,075	18	9	-			
-	-	Staff Surgeon, 2d Class - 3/-	-	-	-	54	15	-	-	-	-	-	1	54	15	-	-			
1	-	Assistant Surgeon - - 4/-	-	4	-	73	-	-	-	-	-	-	1	73	-	-	-			
1	-	Deputy Purveyor - - 5/-	-	5	-	91	5	-	-	-	-	-	1	91	5	-	-			
1	-	Purveyor's Clerk - - 5/-	-	5	-	91	5	-	-	-	-	-	1	91	5	-	-			
1	-	Ditto - - - 3/-	-	3	-	54	15	-	-	-	-	-	1	54	15	-	-			
1	-	Medical Clerk - - - 5/3 -	-	5	3	95	16	3	-	-	-	-	1	95	16	3	-			
British Italian Legion:																				
2	-	Quartermasters - - - 2/6 a day	-	5	-	91	5	-	-	-	-	-	2	91	5	-	-			
2,111	39	- - - Carried forward - - -	-	-	£.	6,899	16	8	317,021	16	8	3/4	2,138	43	7,327	3	9	312,713	-	5 1/2

Vote 21.—Paper B.—DETAIL of the Charge of Half-Pay and Military Allowances, &c.—continued.

NUMBERS.		ESTIMATE, 1865-66.					ESTIMATE, 1864-65.				
1865-66.											
		HALF PAY:									
		Per Diem.		Per Annum.			NUMBERS.		Per Annum.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.			£. s. d.	£. s. d.	£. s. d.
2,111	39	- - -	Brought forward - - -	- - -	6,899 16 8	317,021 16 8 ³	2,188	43	7,327 3 9	312,713	- 5 ³ / ₄
			MILITARY ALLOWANCES—continued.								
			Turkish Contingent:								
	7	Lieutenants - - -	at 3/ a day	1 1 -	383 5 -	- - -	-	7	383 5 -		
46			TOTAL Military Allowances -	- - -	- - -	7,283 1 8	-	-	- - -	7,710	8 9
			TOTAL Military Allowances and Half-Pay - - -	- - -	- - -	324,304 18 4 ³					
			Reduced Adjutant of Yeomanry -	- 3 -	- - -	- - -	-	1	54 15 -		
	2		Reduced Serjeant-Majors of Yeomanry, at 1/6 a day - - -	- 3 -	54 15 -	- - -	-	4	109 10 -		
2			TOTAL for Yeomanry - - -			54 15 -	-	-	- - -	164	5 -
					£.	324,359 13 4 ¹	-	-	- - -	320,587	14 2 ³ / ₄
			Deduct probable Saving by Casualties - - -	- - -	- - -	- - -	-	-	- - -	3,587	14 2 ³ / ₄
2,159		Numbers 1865-66 - - -	To be provided for 1865-66 - - -	£.	324,359 13 4 ¹	2,193			£.	317,000	- -
			TOTAL CHARGE - - -	£.	324,359 13 4 ¹						

PAPER C.
FOREIGN HALF-PAY, &c.

DETAILS of the CHARGE of HALF-PAY and REDUCED ALLOWANCES to OFFICERS of Disbanded FOREIGN CORPS, of Pensions to Wounded Foreign Officers, and of Allowances to the Widows and Children of Deceased Foreign Officers, from the 1st April 1865 to the 31st March 1866.

Numbers, 1865-66.		ESTIMATE, 1865-66.				ESTIMATE, 1864-65.			
		CHARGE.				Numbers.	CHARGE.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
160	HALF-PAY AND REDUCED ALLOWANCES:								
	Reduced and Retired Foreign Officers - - -	11,505 1 8	- - -	- - -		168	12,119 10 -		
	Deduct probable saving by Casualties - - -	- - -	- - -	- - -		-	119 10 -		
			11,505 1 8					12,000 - -	
18	PENSIONS FOR WOUNDS:								
	Wounded Foreign Officers -	1,390 - -	- - -	- - -		18	1,390 - -		
	To be provided for PENSIONS for WOUNDS -	- - -	- - -	- - -		-	- - -	1,390 - -	
	ALLOWANCES TO WIDOWS AND CHILDREN:								
123	Widows of deceased Foreign Officers - - -	4,780 - -	- - -	- - -		131	5,111 - -		
49	Children of ditto - - -	452 - -	- - -	- - -		51	470 - -		
			5,232 - -					5,581 - -	
	TOTAL CHARGE - - -	£.	18,127 1 8	- - -		-	£.	18,971 - -	

Vote 22.

WIDOWS' PENSIONS, &c.

DETAIL of the CHARGE of PENSIONS to WIDOWS of OFFICERS of Her Majesty's Land Forces, and of ALLOWANCES on the COMPASSIONATE LIST, from the 1st April 1865 to the 31st March 1866.

Numbers, 1865/66.	RANK OF THEIR LATE HUSBANDS.	Annual Rate of Pension.	ESTIMATE, 1865/66.			ESTIMATE, 1864/65.	
						Numbers.	Charge.
		£.	£.	s.	d.		£. s. d.
1	General Officer - - - - -	500	500	-	-	1	500 - -
2	Ditto - - - - -	250	500	-	-	2	500 - -
1	Ditto - - - - -	240	240	-	-	1	240 - -
1	Ditto - - - - -	220	220	-	-	1	220 - -
136	Ditto - - - - -	120	16,320	-	-	139	16,680 - -
15	Colonels - - - - -	100	1,500	-	-	9	900 - -
9	Ditto - - - - -	90	810	-	-	12	1,080 - -
5	Lieutenant-Colonels - - - - -	140	700	-	-	6	840 - -
1	Ditto - - - - -	100	100	-	-	1	100 - -
105	Ditto - - - - -	80	8,400	-	-	109	8,720 - -
2	Majors - - - - -	100	200	-	-	3	300 - -
117	Ditto - - - - -	70	8,190	-	-	124	8,680 - -
-	Captain - - - - -	100	-	-	-	1	100 - -
11	Ditto - - - - -	65	715	-	-	12	780 - -
510	Ditto - - - - -	50	25,500	-	-	540	27,000 - -
1	Ditto - - - - -	40	40	-	-	1	40 - -
1	Ditto - - - - -	30	30	-	-	1	30 - -
5	Paymasters - - - - -	70	350	-	-	4	280 - -
2	Ditto - - - - -	65	130	-	-	2	130 - -
72	Ditto - - - - -	50	3,600	-	-	84	4,200 - -
3	Lieutenants - - - - -	50	150	-	-	3	150 - -
485	Lieutenants and Adjutants - - - - -	40	19,400	-	-	530	21,200 - -
63	Second Lieutenants, Cornets, Ensigns, and Riding Masters - - - - -	36	2,268	-	-	71	2,556 - -
1	Riding Master - - - - -	40	40	-	-	1	40 - -
5	Quartermasters - - - - -	50	250	-	-	4	200 - -
32	Ditto - - - - -	40	1,280	-	-	28	1,120 - -
118	Ditto - - - - -	36	4,248	-	-	132	4,752 - -
2	Regimental Chaplains - - - - -	30	60	-	-	3	90 - -
2	Veterinary Surgeons - - - - -	55	110	-	-	2	110 - -
2	Ditto - - - - -	50	100	-	-	2	100 - -
2	Ditto - - - - -	40	80	-	-	4	160 - -
7	Ditto - - - - -	30	210	-	-	8	240 - -
* MEDICAL OFFICERS:							
2	Directors-General, Army Medical Department - - - - -	120	240	-	-	2	240 - -
3	Inspectors-General of Hospitals - - - - -	120	360	-	-	3	360 - -
3	Ditto - - - - -	100	300	-	-	3	300 - -
1	Deputy Inspector-General of Hospitals - - - - -	140	140	-	-	1	140 - -
9	Ditto - - - - -	80	720	-	-	9	720 - -
3	Inspectors of Hospitals - - - - -	70	210	-	-	5	350 - -
4	Deputy-Inspectors of Hospitals - - - - -	60	240	-	-	4	240 - -
4	Deputy Assistant Inspectors of Hospitals - - - - -	50	200	-	-	5	250 - -
3	Physicians - - - - -	50	150	-	-	3	150 - -
1	Surgeon-Major - - - - -	140	140	-	-	1	140 - -
7	Ditto - - - - -	80	560	-	-	4	320 - -
-	Surgeon-Major, Foot Guards - - - - -	70	-	-	-	1	70 - -
2	Ditto - - - - -	50	100	-	-	2	100 - -
3	Surgeons - - - - -	65	195	-	-	3	195 - -
2	Staff Surgeons, First Class - - - - -	100	200	-	-	2	200 - -
29	Staff and Regimental Surgeons - - - - -	70	2,030	-	-	27	1,890 - -
31	Staff Surgeons and Surgeons - - - - -	50	1,550	-	-	31	1,550 - -
104	Ditto - Second Class - - - - -	45	4,680	-	-	116	5,220 - -
2	Assistant Surgeons - - - - -	50	100	-	-	1	50 - -
50	Ditto - - - - -	40	2,000	-	-	54	2,160 - -
1	Ditto - - - - -	30	30	-	-	2	60 - -
1	Principal Purveyor - - - - -	70	70	-	-	1	70 - -
1	Purveyor - - - - -	50	50	-	-	1	50 - -
1	Deputy Purveyor - - - - -	40	40	-	-	-	- - -
8	Ditto - - - - -	30	240	-	-	10	300 - -
6	Apothecaries - - - - -	40	240	-	-	6	240 - -
5	Hospital Assistants and Mates - - - - -	30	150	-	-	5	150 - -
2,005	- - - Carried forward - - -	-	111,176	-	-	2,143	117,553 - -

VOTE 22.—DETAIL of the Charge of Widows' Pensions, &c.—*continued.*

Numbers, 1865/66.	RANK OF THEIR LATE HUSBANDS.	Annual Rate of Pension.	ESTIMATE, 1865/66.		ESTIMATE, 1864/65.	
			Numbers.		Charge.	
		£.	£.	s. d.	£.	s. d.
2,005	- - - Brought forward - - -	- - -	111,176	- -	2,143	117,553 - -
	STAFF AND GARRISON OFFICERS:					
1	Chaplain to the Forces - - - - -	70	70	- -	1	70 - -
6	Ditto - - - - -	50	300	- -	6	300 - -
2	Ditto - - Royal Military College - - -	50	100	- -	2	100 - -
-	Ditto - - Royal Military Asylum - - -	50	-	- -	1	50 - -
2	Ditto - - Royal Hibernian School - - -	50	100	- -	2	100 - -
1	Ditto - - Kilmainham Hospital - - -	50	50	- -	1	50 - -
3	Town Majors - - - - -	50	150	- -	3	150 - -
1	Sub-Inspector of Militia - - - - -	50	50	- -	1	50 - -
2	Professors, Royal Military College - - -	50	100	- -	2	100 - -
3	Ditto - - - - ditto - - - - -	40	120	- -	3	120 - -
	ROYAL MILITARY SURVEYORS AND DRAUGHTSMEN:					
-	First Class - - - - -	40	-	- -	1	40 - -
3	Second Class - - - - -	36	108	- -	4	144 - -
2	Third Class - - - - -	36	72	- -	2	72 - -
	COMMISSARIAT:					
9	Commissaries General - - - - -	120	1,080	- -	9	1,080 - -
5	Deputy - - ditto - - - - -	80	400	- -	4	320 - -
13	Ditto - - ditto - - - - -	70	910	- -	16	1,120 - -
10	Ditto - - ditto - - - - -	60	600	- -	11	660 - -
2	Assistant - - ditto - - - - -	70	140	- -	2	140 - -
1	Ditto - - ditto - - - - -	65	65	- -	1	65 - -
33	Ditto - - ditto - - - - -	50	1,650	- -	42	2,100 - -
1	Ditto - - ditto - - - - -	40	40	- -	1	40 - -
3	Deputy Assistant ditto - - - - -	50	150	- -	3	150 - -
45	Ditto - - ditto - - - - -	40	1,800	- -	50	2,000 - -
	FIELD TRAIN DEPARTMENT:					
2	Commissaries - - - - -	70	140	- -	3	210 - -
4	Assistant Commissaries, First Class - - -	50	200	- -	4	200 - -
1	Ditto - - - - Second Class - - -	40	40	- -	1	40 - -
2	Clerks of Stores, First Class - - - - -	40	80	- -	3	120 - -
2	Ditto - - - ditto - - - - -	36	72	- -	3	108 - -
-	Ditto - - Second Class - - - - -	20	-	- -	1	20 - -
1	Conductor of Stores - - - - -	20	20	- -	1	20 - -
	MILITARY STORE DEPARTMENT:					
1	Deputy Superintendent of Stores - - -	70	70	- -	-	- -
1	Deputy Assistant Superintendent of Stores -	50	50	- -	-	- -
6	Ditto - - - - ditto - - - - -	40	240	- -	3	120 - -
			120,143	- -	-	127,412 - -
	Add for fixed Sums in lieu of Pensions and Compassionate Allowances to Widows and Families, &c. of Officers killed in Action, to be granted under Royal Warrant of 1st March 1856 - - - - -	- - -	500	- -	-	500 - -
2,173	TOTAL for Widows' Pensions - - -	- - -	120,643	- -	2,330	127,912 - -
2,173	- - - - - Carried forward - - -	£.	120,643	- -	2,330	127,912 - -

VOTE 22.—DETAIL of the Charge of Widows' Pensions, &c.—continued.

Numbers, 1865/66.		ESTIMATE, 1865/66.	ESTIMATE, 1864-65.	
			Numbers.	Charge.
2,173	- - - - - Brought forward - -	£. s. d. 120,643 - -	2,330	£. s. d. 127,912 - -
	COMPASSIONATE ALLOWANCES: Annual Allowances to Children of Deceased Of- ficers, and of those who have been Killed, or have Died of Wounds received in Action:—			
1,521	Individuals - - - - -	22,161 - -	1,527	22,153 10 -
	ROYAL BOUNTY ALLOWANCES: Annual Allowances to Widows, Mothers, and Sisters of Officers who have been Killed, or have Died of Wounds received in Action:—			
199	Individuals - - - - -	17,781 - -	213	19,421 - -
	Gratuities to the Widows and Children of those Officers who have been Killed, or have Died of Wounds re- ceived in Action - - - - -	500 - -	-	500 - -
	RELIEF FUND - - - - -	1,000 - -	-	1,000 - -
		41,442 - -	-	43,074 10 -
		162,085 - -	-	170,986 10 -
	<i>Deduct,—Probable Saving by Casualties</i>	- - -	-	8,000 - -
	TOTAL CHARGE for WIDOWS' PENSIONS, } COMPASSIONATE ALLOWANCES, &c. - } £.	162,085 - -	-	162,986 10 -

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 22.) - - - £. 162,100.

Vote 23.

PENSIONS FOR WOUNDS.

DETAIL of the CHARGE of PENSIONS, GRATUITIES, and ALLOWANCES to OFFICERS for WOUNDS,
from the 1st April 1865 to the 31st March 1866.

Numbers, 1865/66.		ESTIMATE, 1865/66.	ESTIMATE, 1864/65.	
			Numbers.	Charge.
	Pensions, Gratuities, and Allowances to Officers who have lost an Eye, or a Limb, or have sustained other serious and permanent injury on Service:	£. s. d.		£. s. d.
274	Annual Pensions and Allowances to Wounded Officers	27,700 - -	290	29,163 - -
	Gratuities to Wounded Officers - - - - -	500 - -	-	500 - -
	TOTAL CHARGE - - - £.	28,200 - -	-	29,663 - -

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 23.) - - - £. 28,200.

Vote 24.

CHELSEA AND KILMAINHAM HOSPITALS.

DETAIL of the CHARGE of CHELSEA and KILMAINHAM HOSPITALS, and the IN-PENSIONERS thereof, from the 1st April 1865 to the 31st March 1866.

CHELSEA HOSPITAL:	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
	£.	s.	d.	£.	s.	d.
Pay and Allowances to the Governor and other Officers of the HOSPITAL; viz.:						
1 Governor - - - - -	500	-	-	500	-	-
1 Lieutenant-Governor - - - - -	400	-	-	400	-	-
1 Major (Pay, £. 350; in lieu of clothing, £. 10) - - - - -	360	-	-	360	-	-
1 Chaplain - - - - -	300	-	-	300	-	-
1 Physician and Surgeon - - - - -	500	-	-	500	-	-
1 Adjutant (Pay, £. 200; in lieu of clothing, £. 10) - - - - -	210	-	-	210	-	-
1 Deputy Surgeon (Pay, £. 273. 15.; in lieu of servant, £. 18. 5.) - - - - -	292	-	-	292	-	-
1 Dispenser - - - - -	182	10	-	182	10	-
6 Captains of Invalids; viz. 1 at 4s. a day; 4 at 3s. 6d. a day; 1 at 6d. a day. Allowance in lieu of Clothing, £. 10 per annum each - - - - -	397	12	6	397	12	6
1 Quartermaster (Pay, and allowance in lieu of Clothing) - - - - -	192	10	-	192	10	-
1 Hall Keeper and Cellarman - - - - -	18	5	-	18	5	-
1 Housekeeper and Matron - - - - -	100	-	-	100	-	-
1 Whitster - - - - -	70	-	-	70	-	-
1 Organist - - - - -	55	-	-	55	-	-
1 Clerk and Sexton - - - - -	18	5	-	18	5	-
1 Sculleryman - - - - -	22	10	-	22	10	-
6 In-Pensioners employed in the Kitchen, at 1s. a day each - - - - -	109	10	-	109	10	-
1 Turncock - - - - -	20	-	-	20	-	-
27 Ward and Infirmary Nurses - - - - -	862	6	3	862	6	3
9 In-Pensioners and others employed in the Infirmary; Allowance to - - - - -	182	10	-	182	10	-
2 In-Pensioners as Watchmen - Allowance to - - - - -	63	17	-	63	17	-
8 ditto - - as Coal Porters & Sweepers - ditto - - - - -	128	14	-	128	14	-
5 ditto - - and 7 Women employed in Laundry - - - - - ditto - - - - -	335	8	-	335	8	-
2 ditto - - as Barbers - - - - - ditto - - - - -	78	-	-	78	-	-
25 Ward Orderlies, to attend to the Aged and Infirm Pensioners, at 2s. 6d. a week each - - - - -	162	10	-	130	-	-
Attendants to Baths - - - - -	20	-	-	20	-	-
Pay of 538 In-Pensioners - - - - -	1,500	-	-	1,500	-	-
Provisions, Clothing, Fuel, and Light, &c. under Contract - - - - -	14,635	-	-	14,570	-	-
Household Disbursements and other Contingent Expenses - - - - -	340	-	-	315	-	-
Expense of Trusses, Artificial Legs, &c. - - - - -	400	-	-	400	-	-
SALARIES of the Secretary, and of the Clerks, &c., in his Office:						
1 Secretary - - - - -	700	-	-	700	-	-
2 Clerks; 1st Class from £. 350 to £. 450 per ann. each - - - - -	815	-	-	900	-	-
4 ditto; 2d Class „ £. 220 to £. 320 „ - - - - -	1,190	-	-	1,280	-	-
4 ditto; 3d Class „ £. 90 to £. 200 „ - - - - -	610	-	-	700	-	-
4 Temporary Clerks - - - - -	440	-	-	410	-	-
1 Office Keeper and Servants - - - - -	174	12	-	174	12	-
2 Messengers - - - - -	167	10	-	162	10	-
Contingencies, including Postage and the Expenses attending the Examination of Invalids discharged at Chatham and Woolwich - - - - -	150	-	-	150	-	-
TOTAL for CHELSEA HOSPITAL - - - - - £.	26,703	9	9	-	-	-
Carried forward - - - - - £.	26,703	9	9	-	-	-
				26,810	19	9
				26,810	19	9

VOTE 24.—DETAIL of the Charge of Chelsea and Kilmainham Hospitals—continued.

	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
	£.	s.	d.	£.	s.	d.
Brought forward - - -	-	-	-	26,703	9	9
KILMAINHAM HOSPITAL:						
PAY and ALLOWANCES of the Master and Officers of the HOSPITAL; viz.						
1 Master (Allowance for Garden) - - -	100	-	-	100	-	-
1 Chaplain - - - - -	250	-	-	250	-	-
1 Secretary and Treasurer - - - - -	300	-	-	290	-	-
1 Physician and Surgeon - - - - -	300	-	-	300	-	-
1 Adjutant and Quartermaster - - - - -	150	-	-	150	-	-
1 Clerk to Secretary - - - - -	115	-	-	110	-	-
1 Matron and Whitster - - - - -	60	-	-	60	-	-
1 Roman Catholic Clergyman - - - - -	50	-	-	50	-	-
2 Resident Captains - - - - -	127	15	-	127	15	-
1 Quartermaster Serjeant - - - - -	54	15	-	54	15	-
1 Chapel Clerk - - - - -	18	5	-	18	5	-
1 Messenger - - - - -	15	13	-	15	13	-
2 Cooks - - - - -	36	10	-	36	10	-
1 Assistant Cook - - - - -	13	13	9	13	13	9
1 Kitchen Helper - - - - -	16	-	-	16	-	-
7 Nurses - - - - -	155	2	6	155	2	6
1 Waterman and Armourer - - - - -	18	5	-	18	5	-
1 Hall Keeper - - - - -	18	5	-	27	7	6
1 In-pensioner in charge of Hypocaust - - -	9	2	6	9	2	6
1 ditto - - - - - Burial-ground - - -	9	2	6	9	2	6
1 ditto - - - - - Galleries - - -	18	5	-	18	5	-
1 ditto - - - - - Gas Meters - - -	9	2	6	9	2	6
1 ditto - - - - - Arms - - -	9	2	6	-	-	-
1 Infirmary Serjeant - - - - -	45	12	6	45	12	6
1 Orderly at Infirmary - - - - -	18	5	-	18	5	-
2 Barbers - - - - -	22	7	2	22	7	2
1 Lodge Keeper - - - - -	9	2	6	9	2	6
3 Porters - - - - -	46	19	-	46	19	-
1 Sweeper - - - - -	4	11	3	4	11	3
	2,000	16	8	1,985	16	8
Pay and Tobacco Money of Non-Commissioned Officers, Drummers, and Privates - - -	390	7	3	391	4	3
Diet of Military Officers and Soldiers (141 Persons) - - -	2,500	-	-	2,500	-	-
Clothing - - - - -	650	-	-	635	-	-
Garden Expenses, Taxes, and various small Expenses - - -	200	-	-	200	-	-
Coals and Candles - - - - -	420	-	-	420	-	-
Washing - - - - -	152	-	-	152	-	-
Medicaments - - - - -	150	-	-	150	-	-
Maintenance of Widows of Soldiers - - -	15	-	-	15	-	-
TOTAL for KILMAINHAM HOSPITAL - - - £.	6,478	3	11	6,449	-	11
TOTAL for CHELSEA and KILMAINHAM HOSPITALS - - - £.	33,181	13	8	33,260	-	8

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 24.) - - - £. 33,200.

Vote 25.

OUT-PENSIONERS.

DETAIL of the CHARGE of the OUT-PENSIONERS of CHELSEA HOSPITAL; and of PENSIONS granted to DISCHARGED NEGRO SOLDIERS, from the 1st April 1865 to the 31st March 1866.

Numbers.	OUT-PENSIONERS OF CHELSEA HOSPITAL.	ESTIMATE, 1865-66.		ESTIMATE, 1864-65.	
		£.	s. d.		£. s. d.
61,915	At various rates, from 1½ d. to 3s. 6d. per diem -	1,139,390	- -	61,917	1,134,202 - -

	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.		
	£.	s.	d.	£.	s.	d.
Brought down - - -	1,139,390	-	-	1,134,202	-	-
Pensions granted to Men who commuted their Pensions with a view of settling in the Colonies -	2,000	-	-	3,000	-	-
Allowances to Staff Officers, Non-Commissioned Officers and others, for paying and superintending the Army, Navy, Mercantile Marine, Trinity House, and Indian Army Pensioners, in Great Britain, Ireland, and the Colonies, and Contingent Charges - -	27,200	-	-			
Of which will be defrayed by the Indian Government - 400 l.	700	-	-			
By Trinity House - - 300 l.]	26,500	-	-	24,500	-	-
Allowances to Superintendents of Black Pensioners -	110	-	-	110	-	-
Probable Net Charge for Out-Pensions - - -	-	-	£. 1,168,000 - -	-	-	£. 1,161,812 - -

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 25.) - - £. 1,168,000.

Vote 26.

SUPERANNUATION ALLOWANCES, 1865-66.

DETAIL of the CHARGE of SUPERANNUATION and RETIRED ALLOWANCES to Persons formerly belonging to the several Public Departments, from 1st April 1865 to 31st March 1866.

						ESTIMATE 1865/66.	ESTIMATE 1864/65.
						£. s. d.	£. s. d.
The Amount voted in the Estimates for 1864-65 was - - - - -						113,551 11 4	113,551 11 4
Deduct Amount included in the Estimates, 1864-65, for probable Pensions £. 3,000 - -							
Superannuation and Retired Allowances which have ceased since the date of last Estimates - - - - -						7,475 2 7	
						10,475 2 7	
Add new Pensions which have been granted since the date of last Estimates:—							103,076 8 9
NAME.	OFFICE.	Length of Service.	Age.	Salary at the Time of Reduction or Retirement.	Amount of Pension.		
		Yrs. Mo.	Yrs.	£. s. d.	£. s. d.		
Bates, F. J. - - -	1st Class Barrack Clerk, Portsmouth - - -	22 5	53	156 17 6	57 10 5		
Berryman, C. - - -	1st Class Nurse, Chelsea Hospital - - -	33 3	60	65 6 4	35 18 5		
Bontein, J. P. - - -	2d Class Clerk, War Office	16 5	43	435 - -	116 - -		
Bridges, J. - - -	Professor of Drawing, Royal Military Academy - -	26 2	64	300 - -	165 - -		
Butcher, W. D. - - -	Barrack Master, Unattached	5 7	43	136 17 6	45 12 6		
Campbell, J. C. - - -	Governor, Military Prison, Greenlaw - - -	12 0	53	379 12 -	101 4 6		
Clack, T. E. - - -	2d Class Clerk, War Office -	40 0	67	500 - -	400 - -		
Clark, William - - -	Clerk of Works, Chatham -	33 4	60	325 - -	178 15 -		
Collard, Joseph - - -	2d Class Clerk of Works, Montreal - - -	26 0	58	200 - -	86 19 4		
Culley, C. J. - - -	Commissariat Clerk, Mel- bourne - - -	29 10	46	191 12 6	92 12 4		
D'Elboux, L. - - -	Superintending Electro-typ- ing, Survey Department -	33 1	56	297 7 -	163 10 10		
Frith, Thomas - - -	Office Keeper, Store Depart- ment, Bermuda - - -	38 3	65	62 12 -	39 12 11		
Fromon, Thomas - - -	Clerk, Assistant Adjutant General's Office, Hobart Town - - -	30 8	63	161 17 6	80 18 9		
Gaiton, Mary - - -	Nurse, Chelsea Hospital -	10 1	50	46 12 7	7 15 5		
Greenlees, G. - - -	Chief Clerk, Deputy Adju- tant General and Deputy Quartermaster General's Department, Cape Town -	24 2	59	132 16 4	48 14 -		
Heheir, J. - - -	2d Class Messenger, War Office - - -	28 0	62	100 - -	45 13 4		
Hoskyn, J. - - -	Chief Clerk, Survey Depart- ment - - -	27 7	47	328 10 -	147 16 6		
Carried forward - - - £.						1,813 8 3	103,076 8 9 113,551 11 4

Vote 26.—DETAIL of the Charge of Superannuation and Retired Allowances, &c.—*continued.*

NAME.	OFFICE.	Length of Service.		Age.	Salary at the Time of Reduction or Retirement.			Amount of Pension.			ESTIMATE 1865/66.			ESTIMATE 1864/65.		
		Yrs.	Mo.	Yrs.	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
	Brought forward - -	-	-	-	-	-	-	1,813	8	3	103,076	8	9	113,551	11	4
Laidman, H. L. - -	1st Class Clerk, Adjutant General's Office - -	19	4	37	410	-	-	129	16	8						
Mackay, J. D. - -	4th Class Barrack Master, Van Diemen's Land -	25	3	81	268	2	6	41	17	6						
Mazente, R. - -	Commissariat Clerk, Corfu -	23	6	58	136	17	6	75	5	7						
Mills, James - -	Engineer Messenger, Dublin -	17	7	42	62	-	-	17	11	4						
Morphy, Thomas - -	3d Class Clerk of Works, Corfu - - - -	39	4	60	160	-	-	13	6	8						
Munro, G. S. - -	Principal Clerk, Small Arms Department, Enfield -	18	10	35	430	-	-	129	-	-						
Ponini, C. - -	Commissariat Storekeeper, Corfu - - - -	25	4	47	139	10	-	81	7	6						
Price, Theresa - -	Hospital Nurse, Royal Military Asylum - - -	20	6	78	38	14	9	12	18	3						
Revell, Anne Mary - -	Matron and Housekeeper, Chelsea Hospital - -	32	6	70	133	2	-	70	19	8						
Rhodes, Rachel - -	Nurse, Chelsea Hospital -	14	9	64	46	12	7	10	17	7						
Rhys, T. Llewellyn - -	Purveyor's Clerk - -	20	0	47	173	7	6	57	15	10						
Rich, N. S. - -	1st Class Clerk of Works, Royal Engineer Department - - - -	35	11	64	315	-	-	210	-	-						
Studd, Jonathan - -	3d Class Clerk of Works, Chatham - - - -	28	0	63	160	-	-	74	13	4						
Weale, William - -	Senior Clerk, Military Secretary's Department, Corfu	32	11	53	194	10	9	129	13	10						
Wilson, John - -	1st Class Clerk of Works, Dublin - - - -	24	1	54	285	-	-	114	-	-						
Add, for probable Pensions during the Year - - - -								-	-	-	2,982	12	-			
								-	-	-	3,000	-	-			
Proportion of Superannuation for Metropolitan Police - - - -								-	-	-	109,059	-	9			
673 Foremen, Artificers, &c., 1864-65 - - - -								-	-	-	292	-	-	152	-	-
Deduct for 50 Removals or Deaths since date of last Estimates - -								-	-	-	14,672	6	10			
								-	-	-	953	7	4			
								-	-	-	13,718	19	6			
Add, for 111 New Pensions granted since ditto - - - -								-	-	-	2,104	8	8			
								-	-	-	15,823	8	2	14,672	6	10
52 Widows of Civil Officers and Artificers, 1864-65 - - - -								-	-	-	3,955	12	6			
Deduct for 15 Removals or Deaths since date of last Estimates - -								-	-	-	244	11	-			
								-	-	-	3,711	1	6			
Add, for 4 New Pensions granted since ditto - - - -								-	-	-	90	-	-			
								-	-	-	3,801	1	6	3,955	12	6
Add, for probable Pensions during the ensuing Year - - - -								-	-	-	-	-	-	2,000	-	-
Gratuities under Act 22 Vict. c. 26 - - - -								-	-	-	2,000	-	-	2,000	-	-
TOTAL - - -								£.			130,975	10	5	136,331	10	8

AMOUNT OF ESTIMATE FOR 1865-66 (Vote 26) - - - £. 131,000.

* Increase to Pension previously granted.

Vote 27.

DISEMBODIED MILITIA AND YEOMANRY CAVALRY.—NON-EFFECTIVE SERVICES.

Numbers.	1865-66.	DISEMBODIED MILITIA:	ESTIMATE, 1865-66.			ESTIMATE, 1864-65.	
			Per Diem.	Per Annum.		Nos.	Charge.
			£. s. d.	£. s. d.	£. s. d.		£. s. d.
		DETAIL OF THE CHARGE OF RETIRED ALLOWANCES:					
11		Adjutants - - - - at 8 - a day	4 8 -				
2		Ditto - - - - 7 - "	- 14 -				
24		Ditto - - - - 6 - "	7 4 -				
10		Ditto - - - - 5 - "	2 10 -				
12		Ditto - - - - 4 - "	2 3 -				
4		Ditto - - - - 3 - "	- 12 -				
184		Lieutenants - - - - 2 6 "	23 - -				
7		Ditto - - - - 2 - "	- 14 -				
48		Ensigns - - - - 2 - "	4 16 -				
1		Paymaster - - - - 6 - "	- 6 -				
3		Ditto - - - - 5 - "	- 15 -				
1		Ditto - - - - 4 6 "	- 4 6				
1		Ditto - - - - 4 - "	- 4 -				
1		Ditto - - - - 2 6 "	- 2 6				
2		Ditto - - - - 2 - "	- 4 -				
1		Quartermaster - - - - 3 6 "	- 3 6				
1		Ditto - - - - 2 6 "	- 2 6				
3		Ditto - - - - 2 - "	- 6 -				
6		Surgeons - - - - 6 - "	1 16 -				
6		Ditto - - - - 5 - "	1 10 -				
2		Ditto - - - - 4 6 "	- 9 -				
4		Ditto - - - - 4 - "	- 16 -				
2		Ditto - - - - 3 6 "	- 7 -				
13		Surgeons' Mates - - - - 2 6 "	1 12 6				
1		Assistant Surgeon - - - - 2 6 "	- 2 6				
350			55 7 -	20,202 15 -		366	20,905 7 6
		Deduct probable Saving by Casualties - - - -	- - -	702 15 -			805 7 6
		TOTAL for RETIRED ALLOWANCES—DISEMBODIED MILITIA - - - -	£.	19,500 - -			20,100 - -
		REDUCED ADJUTANTS OF LOCAL MILITIA:					
9		Adjutants, at 4s. a day each - - - -	1 16 -	657 - -		11	803 - -
		Deduct probable Saving by Casualties - - - -	- - -	73 - -			73 - -
		TOTAL for REDUCED ADJUTANTS of LOCAL MILITIA - - - -	£.	584 - -			730 - -
		OUT-PENSIONERS FROM THE MILITIA AND LOCAL MILITIA:					
683		Militia Out-Pensioners, at various rates - - - -	- - -	8,992 6 2½		779	10,302 - -
8		Local Militia Out-Pensioners, at various rates. - - - -	- - -	105 - -		9	124 - -
		Add, for Non-Commissioned Officers of the Permanent Staff to be pensioned - - - -	- - -	- - -			20 - -
				9,097 6 2½		788	10,446 - -
691		Deduct probable Saving by Casualties - - - -	- - -	564 6 2½			446 - -
		TOTAL for OUT-PENSIONERS from the MILITIA and LOCAL MILITIA - - - -	£.	8,533 - -			10,000 - -
		YEOMANRY CAVALRY—RETIRED ALLOWANCES:	£. s. d.				
3		Adjutants, at 6s. a day - - - -	- 18 -	328 10 -		3	
1		Ditto - 3s. " - - - -	- 3 -	54 15 -		1	
4		TOTAL for RETIRED ALLOWANCES—YEOMANRY CAVALRY - - - -	£.	383 5 -		4	383 - -
		TOTAL - - - -	£.	29,000 5 -			31,213 - -

AMOUNT OF ESTIMATE FOR 1865-66 (VOTE 27) - - - £.29,000.

STATEMENT showing the Amount included in the ARMY ESTIMATES, 1865-66, for MILITARY Purposes at the under-mentioned COLONIES, and showing also the probable Amount that will be repaid by the several Colonies on the same Account.

STATION.	Amount included in Army Estimates, 1865-66.	Probable Sum to be repaid by the Colony during 1865-66.	REMARKS.
NORTH AMERICA:	£.	£.	
Canada - - - -	568,040	- - Nil.	
Nova Scotia and New Brunswick - - -	190,110		
Newfoundland - - -	20,852		
AUSTRALIA:			
New South Wales - - -	- - -	16,360	<i>Australian Colonies.</i>—The Imperial Government has proposed that the Australian Colonies should pay a capitation of 40 £. per annum, all ranks, on the Infantry, and 70 £. per annum, all ranks, on the Artillery and Engineers, that may be stationed in the different Colonies; and 70 £. per man, all ranks, on any number of troops that the Colonial Governments may ask for in excess of the requirements deemed necessary by the Home Government. Victoria expresses a desire to be without Infantry, and to have two batteries of Artillery only, paying 55 £. per man for them. The whole cost of Fortifications and Barrack Buildings will remain chargeable against Colonial revenues. ¶ The capitation, at the rates and on the numbers proposed by the Imperial Government, will amount to the sums stated against each Colony. The amount thus chargeable to Tasmania would be 10,400 £., but as the effects of the old system of transportation are not yet worn out, the Imperial Government at present forbears to claim the contribution. <i>New Zealand.</i>—Negociations are pending by which it is proposed that one regiment should be stationed here at the Imperial cost, conditionally on the Colony devoting 50,000 £. a year to certain native purposes; 40 £. per Infantry soldier, and 55 £. per Artilleryman, to be contributed for every additional man. This is not to apply, during the present year, to any number in excess of 4,000. <i>Cape of Good Hope.</i>—The Colony contributes to this extent in aid of the extra allowance granted to the Troops here. <i>Ceylon.</i>—Under this increased contribution the Imperial Government defrays all Colonial pay and allowances, staff, regimental, and departmental contingencies, and all expenses hitherto falling upon the Colony for recruiting, arms, and clothing (the Governor's aide-de-camp and mounted orderlies excepted). The Imperial Government will also defray the rent of buildings hired as quarters for the occupation of the troops and the Imperial Military Departments. A further and future increase of contribution is proposed to be taken in the shape of simple additions of 10,000 £. year by year, until the sum reached is 135,000 £. The contribution is not, however, in any case to exceed by more than 5,000 £. a sum computed at 90 £. per man for each European, 50 £. per man on the Ceylon Rifle Corps, and 10 £. per man on Gun Lascars serving in Ceylon. <i>Mauritius.</i>—Under this increased contribution, the Imperial Government becomes chargeable with all Colonial allowances hitherto issued to officers, including allowances in lieu of provisions, forage, fuel, light, lodgings and servants. <i>China and Hong Kong.</i>—A contribution of 20,000 £. a year will be made to Imperial funds during the ensuing five years, irrespective of the number of troops stationed in China.
Queensland - - - -	- - -	3,640	
Victoria - - - -	50,220	¶ 17,800	
Tasmania - - - -	- - -	Nil.	
South Australia - - -	- - -	6,880	
NEW ZEALAND - - - -	601,377	160,000	
CAPE OF GOOD HOPE - - -	298,276	10,000	
Natal - - - -		3,500	
ISLANDS IN NORTH and SOUTH ATLANTIC:			
Bermuda - - - -	95,550	- - Nil.	
Bahamas - - - -	28,488		
St. Helena - - - -	54,089		
WEST INDIES:			
Jamaica - - - -	119,607	- - Nil.	
Honduras - - - -	16,815		
Windward and Leeward Islands - - - -	125,630		
EASTERN COLONIES:			
Ceylon - - - -	136,113	100,000	
Mauritius - - - -	161,873	45,000	
Labuan - - - -	7,500	Nil.	
WEST COAST OF AFRICA:			
Sierra Leone - - - -	34,871	- - Nil.	
Gambia - - - -	24,097		
Gold Coast - - - -	53,859		
Lagos - - - -	15,070		
MEDITERRANEAN:			
Gibraltar - - - -	282,028	- - Nil.	
Malta - - - -	270,384	6,200	
CHINA AND HONG KONG - -	188,852	20,000	
£.	3,343,701		

* Exclusive of arms, accoutrements, barrack, hospital, and other stores to be supplied from this country during the year 1865-66, the value of which cannot be ascertained.

ABSTRACT, showing the Amount of the Expense of UNFORESEEN and URGENT SERVICES unprovided by Parliament, but authorised by the Lords Commissioners of Her Majesty's Treasury, during the Year ended 31st December 1864.

	PART 1. SERVICES amounting to £. 200 and under, authorised by the Secretary of State for War, and subsequently confirmed by the Treasury.	PART 2. SERVICES above £. 200, authorised by the Treasury, previously to their Execution, on the Recommendation of the Secretary of State for War.	PART 3. SERVICES amounting to £. 200 and under, authorised by the Governors or Commanders of the Forces Abroad, and subsequently sanctioned by the Treasury.	PART 4. SERVICES above £. 200, authorised by the Governors or Commanders of the Forces Abroad, and subsequently sanctioned by the Treasury.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Services: Army Vote, 14 (1863-64), and Votes 12 and 14 (1864-65) }	3,102 - -	21,757 - -	7,281 - -	19,836 - -
£.	3,102 - -	21,757 - -	7,281 - -	19,836 - -
				3,102 - -
				21,757 - -
				7,281 - -
			TOTAL - - £.	51,976 - -

STATEMENT of SUMS Passed to the Credit of HER MAJESTY'S EXCHEQUER in the Books of the War Office, between the 1st January and the 31st December 1864; pursuant to the Treasury Minute dated 2d May 1848.

VOTE.			AMOUNT.
		£. s. d.	£. s. d.
1	CONTRIBUTIONS from Colonial Revenues in aid of Military Expenditure:		
	Malta - - - - -	12,400 - -	
	Ceylon - - - - -	48,000 - -	
	Ionian Islands - - - - -	41,384 14 10	
	Cape of Good Hope - - - - -	20,000 - -	
	Natal - - - - -	4,000 - -	
	Mauritius - - - - -	10,000 - -	
	Pay of Men forfeited by Sentence of Court Martial - - - - -	4,232 19 1	
	Balances on Deserters' Accounts - - - - -	1,098 3 9	
	Discharge Money - - - - -	43,048 14 8	
	Smart Money - - - - -	1,240 3 6	
	Proceeds of Sale of Cast Horses - - - - -	11,507 5 1	
	Stoppages from the Pay of Officers for the Supply of Horse Medicines - - - - -	51 2 1	
	Fines and Penalties levied under the Mutiny Act - - - - -	88 4 11	
	Unclaimed Balances - - - - -	65 4 6	
	Gain by Exchange - - - - -	47 16 -	
	Sums Recovered on Old Default Accounts - - - - -	149 18 2	
	Miscellaneous - - - - -	438 10 4	
	Amount of Disallowances on the Account for Advances for Regiments serving in India prior to 31 March 1854, brought to Account subsequently, the same being applicable to the settlement thereof effected by the Lords Commissioners of Her Majesty's Treasury and the India Office - - - - -	17,618 1 6	
	Sums received from the Revenues of India on account of the Proportion of the Charges for Recruiting Staff, Depot Battalions, &c., to 31 March 1861 - - - - -	301,349 4 8	
2	Receipts for Service of Commissariat Surf Boats - - - - -	2,534 12 6	516,720 3 1
	Proceeds of Sale of Provisions - - - - -	6,493 9 6	
	Ditto - - - Forage - - - - -	95 11 1	
	Miscellaneous - - - - -	8 16 9	
			9,132 9 10
3	Proceeds of Sale of Old Clothing, Great-coats, Cuttings, &c. - - - - -	12,403 12 5	
	Miscellaneous - - - - -	4 13 8	
			12,408 6 1
4	Proceeds of Sale of Barrack Stores, Bedding, &c. - - - - -	8,893 13 5	
	Ditto - - - Barrack Refuse - - - - -	1,359 2 6	
	Damaged or Deficient Barrack Stores - - - - -	11,201 2 5	
	Washing Sheets - - - - -	10,405 11 2	
	Rent of Lands, Buildings, and Quarters - - - - -	25,860 14 1	
	Ditto, Canteens - - - - -	3,609 3 -	
	Per-centage on Mess Furniture - - - - -	400 2 11	
	Stoppages from the Pay of Officers of Royal Engineers, for Quarters - - - - -	3,495 12 2	
	Miscellaneous - - - - -	242 8 10	
			65,467 10 6
6	Proceeds of Prison Labour and Sale of Refuse - - - - -	- - -	719 15 5
7	Proceeds of Sale of Hospital Stores, Bedding, &c. - - - - -	2,983 5 5	
	Washing Personal Linen of Men in Hospital - - - - -	166 17 8	
	Miscellaneous - - - - -	11 13 1	
			3,161 16 2
	Carried forward - - - £.		607,610 1 1

STATEMENT of Sums Passed to the Credit of Her Majesty's Exchequer, &c.—*continued.*

VOTE.					AMOUNT.		
		£. s. d.			£. s. d.		
	Brought forward - - -	-	-	-	607,610	1	1
8	Disembodied Militia - - - - -	-	-	-	4,153	-	2
12	Proceeds of Sale of Stores, Refuse, &c. of the Manufacturing Establishments - - - - -	5,899	8	9			
	Miscellaneous - - - - -	2,300	11	7	8,200	-	4
13	Proceeds of Sale of Old Stores - - - - -	56,711	19	-			
	Pay of Magazine Establishment at Goat Island - - - - -	88	16	5			
	Miscellaneous - - - - -	263	15	3	57,064	10	8
14	Sale of Lands and Buildings - - - - -	6,234	4	11			
	Damages to Barrack and Hospital Buildings - - - - -	8,054	9	11			
	Tolls, &c., Hythe Canal - - - - -	829	10	4			
	Miscellaneous - - - - -	356	2	10	15,474	8	-
15	Royal Military Academy, Contributions from Indian Government - - - - -	6,612	-	-			
	Ditto - - - - - Contributions of Gentlemen Cadets - - - - -	24,334	2	11			
	Ditto - - - - - Miscellaneous - - - - -	42	11	9			
	Royal Military College, Contributions from Indian Government - - - - -	9,703	2	6			
	Ditto - - - - - Contributions of Students and Gentlemen Cadets - - - - -	17,760	4	2			
	Ditto - - - - - Miscellaneous - - - - -	165	13	2			
	School Fees and Library Subscriptions - - - - -	1,691	16	10			
	Royal Military Asylum, Miscellaneous - - - - -	155	-	-			
	Royal Hibernian Military School, Dividends on Stock - - - - -	166	2	6			
	Ditto - - - - - Miscellaneous - - - - -	240	2	4	60,870	16	2
16	Sale of Survey Maps - - - - -	-	-	-	13,624	8	11
17	Receipts from Tower Armouries - - - - -	1,524	8	11			
	Sums received on account of Medals re-issued - - - - -	164	-	9			
	Miscellaneous - - - - -	13	15	3	1,702	4	11
22	Widows' Pensions: Civil and Military - - - - -	-	-	-	13	16	1
24	In Pension: Chelsea Hospital - - - - -	331	5	8			
	Ditto - - Kilmainham Hospital - - - - -	303	15	3	635	-	11
	Departmental Expenses on Stores - - - - -	-	-	-	18,025	7	5
	Fines Levied on Contractors - - - - -	-	-	-	3,633	7	8
	TOTAL - - - - -	£.			791,007	2	4

A P P E N D I X.

VOTE 1.

APPENDIX, No. 1.

DETAIL of the Charge for the GENERAL STAFF, CLERKS and others, and Contingent Expenses, at HOME and ABROAD, from the 1st April 1865 to the 31st March 1866.

	P A Y.		TOTAL.		P A Y.		TOTAL.
	Daily, each.	Annual.			Daily, each.	Annual.	
HOME STAFF :							
LONDON DISTRICT :	s. d.	£. s. d.	£. s. d.		s. d.	£. s. d.	£. s. d.
1 Major General Inspecting Cavalry - - -	37 11	691 19 7		Brought forward - - -	-	-	11,923 6 8
1 Major General Inspecting Artillery - - -	37 11	691 19 7		HOME STAFF—continued.			
1 Aide-de-Camp - - -	9 6	173 7 6		ALDERSHOT DISTRICT :			
1 Inspector General of Engineers and Fortifications - - -	37 11	691 19 7		1 Lieutenant General - - -	75 10	1,383 19 2	
1 Aide-de-Camp - - -	9 6	173 7 6		1 Major General - - -	37 11	691 19 7	
1 Major General Commanding Foot Guards - - -	37 11	691 19 7		3 Brigadier Generals - - -	28 6	1,560 7 6	
1 Aide-de-Camp - - -	9 6	173 7 6		1 Colonel on the Staff - - -	7 6	136 17 6	
2 Majors of Brigade - - -	9 6	346 15 -		6 Aides-de-Camp - - -	9 6	1,040 5 -	
6 Aides-de-Camp to the Queen - - -	10 5	1,140 12 6	4,083 8 9	1 Assistant Adjutant General - - -	14 3	260 1 3	
				1 Deputy Adjutant General - - -	9 6	173 7 6	
				1 Assistant Quartermaster General - - -	14 3	260 1 3	
				2 Deputy Assistant Quartermaster Generals - - -	9 6	346 15 -	
				5 Majors of Brigade - - -	9 6	866 17 6	
				1 Camp Quartermaster - - -	10 -	182 10 -	
				1 Ditto - - - - -	9 4	170 6 8	7,073 7 11
NORTHERN DISTRICT :							
1 Major General - - -	37 11	691 19 7		GUERNSEY DISTRICT :			
1 Aide-de-Camp - - -	9 6	173 7 6		1 Major General as Colonel on the Staff - - -	22 9	415 3 9	
1 Assistant Adjutant General - - -	14 3	260 1 3	1,125 8 4	Allowance as Resident Lieutenant Governor - - -	9 6	173 7 6	
				1 Fort Major - - - - -	9 3	168 16 3	757 7 6
SOUTH EASTERN DISTRICT :							
SHORNCLEIFFE AND DOVER :							
1 Major General Commanding - - -	37 11	691 19 7		JERSEY DISTRICT :			
1 Brigadier General - - -	28 6	520 2 6		1 Major General as Colonel on the Staff - - -	22 9	415 3 9	
1 Colonel on the Staff - - -	13 6	246 7 6		Allowance as Resident Lieutenant Governor - - -	9 6	173 7 6	
2 Aides-de-Camp - - -	9 6	346 15 -		1 Fort Major - - - - -	4 6	82 2 6	670 13 9
1 Assistant Adjutant General - - -	14 3	260 1 3	2,238 13 4	COLCHESTER DISTRICT :			
1 Major of Brigade - - -	9 6	173 7 6		1 Colonel on the Staff - - -	22 9	415 3 9	
				1 Brigade Major - - - - -	9 6	173 7 6	588 11 3
WESTERN DISTRICT :							
1 Major General - - -	37 11	691 19 7		WOOLWICH DISTRICT :			
Allowance as Resident Lieutenant Governor - - -	9 6	173 7 6		1 Major General - - - - -	37 11	691 19 7	
1 Aide-de-Camp - - -	9 6	173 7 6		1 Aide-de-Camp - - - - -	9 6	173 7 6	
1 Colonel on the Staff - - -	13 6	246 7 6		1 Deputy Assistant Quartermaster General - - -	9 6	173 7 6	
1 Major of Brigade - - -	9 6	173 7 6	1,631 17 1	1 Brigade Major - - - - -	9 6	173 7 6	
1 Town Major - - - - -	9 6	173 7 6		1 Brigade Major, Military Train - - -	9 6	173 7 6	1,385 9 7
SOUTH WESTERN DISTRICT :							
1 Lieutenant General - - -	75 10	1,383 19 2					
Allowance as Resident Lieutenant Governor - - -	9 6	173 7 6					
2 Aides-de-Camp - - -	9 6	346 15 -					
1 Colonel on the Staff - - -	13 6	246 7 6					
1 Assistant Adjutant General - - -	14 3	260 1 3					
1 Assistant Quartermaster General - - -	14 3	260 1 3					
1 Town Major - - - - -	9 6	173 7 6	2,843 19 2				
Carried forward - - - £.			11,923 6 8	Carried forward -	£.		22,398 16 8

The Staff Pay to Officers is in addition to Regimental, Unattached, or Half-Pay

DETAIL of the Charge of the General Staff, Clerks, and others, and Contingent Expenses at Home and Abroad, &c.—*continued.*

	P A Y.		TOTAL.		P A Y.		TOTAL.
	Daily, each.	Annual.			Daily, each.	Annual.	
	s. d.	£. s. d.	£. s. d.		s. d.	£. s. d.	£. s. d.
Brought forward - - -	-	-	22,398 16 8	Brought forward - - -	-	-	976 7 6
HOME STAFF— <i>continued.</i>				FOREIGN— <i>continued.</i>			
CHATHAM DISTRICT:				AUSTRALIAN COLONIES:			
1 Major General - - -	37 11	691 19 7		VICTORIA, NEW SOUTH WALES			
1 Aide-de-Camp - - -	9 6	173 7 6		and QUEENSLAND:			
1 Major of Brigade - - -	9 6	173 7 6	1,038 14 7	1 Brigadier General - - -	28 6	520 2 6	
				1 Aide-de-Camp - - -	9 6	173 7 6	
ISLE OF MAN:				1 Major of Brigade - - -	9 6	173 7 6	
1 Staff Captain - - -	11 7	211 7 11	211 7 11	1 Commandant (New South Wales)	7 6	136 17 6	1,003 15 -
NORTH BRITAIN:				SOUTH AUSTRALIA:			
1 Major General - - -	37 11	691 19 7		1 Commandant - - -	5 -	91 5 -	91 5 -
1 Aide-de-Camp - - -	9 6	173 7 6					
1 Assistant Adjutant General -	14 3	260 1 3		WESTERN AUSTRALIA:			
1 Fort Major - - -	4 9	86 13 9	1,212 2 1	1 Commandant (Pay provided in	-	-	-
				Civil Estimates) - - -	-	-	-
HEAD QUARTERS, IRELAND:							
1 Lieutenant General - - -	75 10	1,383 19 2		TASMANIA:			
2 Aides-de-Camp - - -	9 6	346 15 -		1 Assistant Adjutant General -	11 3	260 1 3	260 1 3
1 Extra Aide-de-Camp - - -	-	-					
1 Military Secretary - - -	-	553 17 -		NEW ZEALAND:			
1 Colonel on the Staff - - -	13 6	246 7 6		1 Lieutenant General - - -	75 10	1,383 19 2	
1 Deputy Adjutant General - -	19 -	346 15 -		1 Brigadier General - - -	28 6	520 2 6	
Contingent Allowance - - -	-	150 - -		3 Aides-de-Camp - - -	9 6	520 2 6	
2 Assistant Adjutant Generals -	14 3	520 2 6		1 Assistant Military Secretary -	9 6	173 7 6	
1 Deputy Assistant Adjutant General -	9 6	173 7 6		1 Major of Brigade - - -	9 6	173 7 6	
1 Deputy Quartermaster General -	19 -	346 15 -		1 Deputy Adjutant General -	19 -	346 15 -	
Contingent Allowance - - -	-	150 - -		1 Deputy Quartermaster General -	19 -	346 15 -	
1 Deputy Assistant Quartermaster General -	9 6	173 7 6	4,391 6 2	2 Deputy Assistant Adjutant Generals -	9 6	346 15 -	
				3 Deputy Assistant Quartermasters General -	9 6	606 16 3	
DUBLIN AND THE CURRAGH:				1 Ditto - - ditto - - -	4 9	-	
1 Major General Commanding -	37 11	691 19 7		2 Colonels on the Staff - - -	22 9	830 7 6	
3 Brigadier Generals - - -	28 6	1,560 7 6		2 Garrison Adjutants - - -	4 9	173 7 6	
4 Aides-de-Camp - - -	9 6	693 10 -		1 District Adjutant - - -	4 9	86 13 9	5,508 9 2
1 Assistant Adjutant General -	14 3	260 1 3					
1 Assistant Quartermaster General -	14 3	260 1 3		BERMUDA:			
3 Majors of Brigade - - -	9 6	520 2 6		1 Commandant - - -	20 -	365 - -	
1 Town Major - - -	9 6	173 7 6	4,159 9 7	1 Fort Adjutant - - -	4 9	86 13 9	451 13 9
CORK OR SOUTH-WESTERN DISTRICT:				CANADA:			
1 Major General - - -	37 11	691 19 7		1 Lieutenant General - - -	75 10	1,383 19 2	
1 Aide-de-Camp - - -	9 6	173 7 6		2 Major Generals - - -	37 11	1,383 19 2	
1 Assistant Adjutant General -	14 3	260 1 3		1 Military Secretary - - -	19 -	346 15 -	
1 Deputy Assistant Quartermaster General -	9 6	173 7 6	1,298 15 10	1 Military Secretary to Governor General -	19 -	346 15 -	
				4 Aides-de-Camp - - -	9 6	693 10 -	
TOTAL Home Staff - - -	-	-	34,710 12 10	1 Colonel on the Staff - - -	22 9	415 3 9	
				1 Colonel of Engineers - - -	-	-	
FOREIGN:				1 Deputy Adjutant General -	19 -	346 15 -	
AFRICA, WESTERN COAST OF:				1 Assistant Adjutant General -	14 3	260 1 3	
SIERRA LEONE:				1 Deputy Quartermaster General -	19 -	346 15 -	
1 Commandant - - -	7 6	136 17 6		1 Assistant Quartermaster General -	14 3	260 1 3	
1 Fort Adjutant - - -	4 9	86 13 9		3 Majors of Brigade - - -	9 6	520 2 6	
				3 Town Majors - - - {1	9 6	417 2 6	
GAMBIA:				2	7 6	-	
1 Commandant - - -	7 6	136 17 6		1 Fort Adjutant - - -	4 9	86 13 9	
1 Garrison Adjutant - - -	4 9	86 13 9		3 Commandants - - -	5 -	273 15 -	7,111 8 4
GOLD COAST:				CAPE OF GOOD HOPE:			
1 Colonel on the Staff - - -	16 9	305 13 9		1 Lieutenant General - - -	75 10	1,383 19 2	
1 Garrison Adjutant - - -	4 9	86 13 9		1 Assistant Military Secretary -	9 6	173 7 6	
				1 Colonel on the Staff - - -	22 9	415 3 9	
LAGOS:				2 Aides-de-Camp - - -	9 6	346 15 -	
1 Commandant - - -	7 6	136 17 6	976 7 6	1 Assistant Adjutant General -	14 3	260 1 3	
				1 Deputy Quartermaster General -	19 -	346 15 -	
Carried forward - - - £.	-	-	976 7 6	1 Deputy Assistant Quartermaster General -	9 6	173 7 6	
				General - - -	-	-	
				1 Town Major - - -	9 6	173 7 6	
				1 Military Secretary to Governor -	-	300 - -	
				2 Garrison Adjutants - - -	4 9	173 7 6	3,746 4 2
				Carried forward - - - £.	-	-	19,149 4 2

DETAIL of the Charge of the General Staff, Clerks, and others, and Contingent Expenses at Home and Abroad, &c.—continued.

	P A Y.		TOTAL.			P A Y.		TOTAL.	
	Daily, Each.	Annual.				Daily, Each.	Annual.		
	s. d.	£. s. d.	£. s. d.			s. d.	£. s. d.	£. s. d.	
Brought forward - - -	-	-	19,149 4 2		Brought forward - - -	-	-	26,922 3 9	
FOREIGN—continued.					HONDURAS:				
NATAL:					1 Commandant - - -	7 6	136 17 6		
1 Commandant - - -	7 6	136 17 6			1 Fort Adjutant - - -	4 9	86 13 9		
1 Fort and District Adjutant -	4 9	86 13 9	223 11 3					223 11 3	
CHINA AND HONG KONG:					MALTA:				
1 Major General - - -	37 11	691 19 7			1 Lieutenant General - - -	-	-		
1 Assistant Military Secretary -	9 6	173 7 6			1 Assistant Military Secretary -	9 6	173 7 6		
1 Aide-de-Camp - - -	9 6	173 7 6			1 Major General - - -	37 11	691 19 7		
1 Deputy Assistant Adjutant General -	9 6	173 7 6			1 Brigadier General - - -	28 6	520 2 6		
1 Deputy Assistant Quartermaster General -	9 6	173 7 6			1 Colonel on the Staff - - -	22 9	415 3 9		
2 Commandants - - -	10 -	182 10 -			4 Aides-de-Camp - - -	9 6	693 10 -		
1 Fort Adjutant - - -	4 9	173 7 6	1,741 7 1		1 Assistant Adjutant General -	14 3	260 1 3		
					1 Deputy Quartermaster General -	19 -	346 15 -		
CEYLON:					2 Majors of Brigade - - -	9 6	346 15 -		
1 Major General - - -	37 11	691 19 7			1 Town Major - - -	15 -	273 15 -		
1 Assistant Military Secretary -	9 6	173 7 6						3,721 9 7	
1 Aide-de-Camp - - -	9 6	173 7 6			MAURITIUS:				
1 Deputy Adjutant General -	19 -	346 15 -			1 Major General - - -	37 11	691 19 7		
1 Deputy Assistant Quartermaster General -	9 6	173 7 6	1,558 17 1		1 Assistant Military Secretary -	9 6	173 7 6		
					1 Aide-de-Camp - - -	9 6	173 7 6		
GIBRALTAR:					1 Deputy Quartermaster General -	19 -	346 15 -		
1 Lieutenant General - - -	-	-			1 Garrison Adjutant - - -	4 9	86 13 9		
1 Assistant Military Secretary -	9 6	173 7 6						1,472 3 4	
1 Major General - - -	37 11	691 19 7			NOVA SCOTIA AND ITS DEPENDENCIES:				
1 Colonel on the Staff - - -	22 9	415 3 9			1 Major General - - -	37 11	691 19 7		
1 Colonel of Royal Engineers (provided regimentally) -	-	-			1 Aide-de-Camp - - -	9 6	173 7 6		
Aides-de-Camp - - -	9 6	520 2 6			1 Major of Brigade - - -	9 6	173 7 6		
1 Assistant Adjutant General -	14 3	260 1 3			1 Assistant Quartermaster General -	14 3	260 1 3		
1 Major of Brigade - - -	9 6	173 7 6			1 Town Major, Nova Scotia -	4 9	86 13 9		
1 Town Major - - -	10 -	182 10 -			1 Town Major, New Brunswick -	4 9	86 13 9		
1 Garrison Quartermaster - - -	7 6	136 17 6	2,553 9 7		1 Commandant, New Brunswick	10 -	182 10 -		
								1,654 13 4	
JAMAICA:					NEWFOUNDLAND:				
1 Major General - - -	37 11	691 19 7			1 Commandant - - -	7 6	136 17 6		
1 Assistant Military Secretary -	9 6	173 7 6						136 17 6	
1 Aide-de-Camp - - -	9 6	173 7 6			ST. HELENA:				
1 Deputy Adjutant General -	19 -	346 15 -			1 Commandant - - -	13 -	237 5 -		
1 Fort Adjutant - - -	4 9	86 13 9	1,472 3 4		1 Fort Adjutant - - -	4 9	86 13 9		
								323 18 9	
BAHAMAS:					WINDWARD AND LEEWARD ISLANDS:				
1 Commandant - - -	7 6	136 17 6			1 Major General - - -	37 11	691 19 7		
1 Fort Adjutant - - -	4 9	86 13 9	223 11 3		1 Assistant Military Secretary -	9 6	173 7 6		
					1 Aide-de-Camp - - -	9 6	173 7 6		
Carried forward - - - £.			26,922 3 9		1 Deputy Adjutant General -	19 -	346 15 -		
					1 Deputy Assistant Quartermaster General -	9 6	173 7 6		
					3 Fort Adjutants - - -	4 9	260 1 3		
								1,818 18 4	
					TOTAL FOREIGN STAFF - - - £.			36,273 15 10	

* This sum includes the Indian Allowances for the Officers on the General Staff serving in China.

RECAPITULATION.

	£. s. d.
General Staff; Home Stations - - -	34,710 12 10
General Staff; in the Colonies - - -	36,273 15 10
Garrison and Staff Serjeant Majors, Clerks, Messengers and others - - -	18,053 - -
Postage and Miscellaneous Expenses of the Offices - - -	1,687 - -
Allowances in lieu of Servants - - -	4,425 - -
Travelling Expenses - - -	2,519 - -
Table Money to General Officers - - -	5,369 - -
TOTAL GENERAL STAFF, &c., 1865-66 - - - £.	103,037 8 8

VOTE 1.

APPENDIX, No. 2.

DETAIL of the REGIMENTAL ESTABLISHMENTS of HER MAJESTY'S LAND FORCES at HOME and ABROAD.

CORPS.	Numbers on British Establishment, including the Depôts in England of Regiments in India.					Numbers on Indian Establishment to be paid out of Indian Revenues.			
	Officers.	Non- commis- sioned Officers.	Rank and File.	All Ranks.	Horses.	Officers.	Non- commis- sioned Officers.	Rank and File.	All Ranks.
CAVALRY:									
Royal Horse Artillery A. Brigade (India)	-	-	-	-	-	45	66	670	781
Ditto, B. ditto - - -	43	66	860	969	678	-	-	-	-
Ditto, C. ditto - - -	43	66	860	969	678	6	-	-	6
Ditto, D. ditto - - (India)	-	-	-	-	-	50	61	670	781
Ditto, E. ditto - - (India)	-	-	-	-	-	50	61	670	781
Ditto, F. ditto - - -	-	-	-	-	-	50	61	670	781
TOTAL - - -	86	132	1,720	1,938	1,356	201	249	2,680	3,130
Ditto - Depôt - - -	11	35	404	450	160	-	-	-	-
Riding Establishment - - -	7	13	205	225	122	-	-	-	-
1st Regiment of Life Guards -	33	64	343	440	275	-	-	-	-
2d ditto - ditto - - -	33	64	343	440	275	-	-	-	-
Royal Regiment of Horse Guards -	33	64	343	440	275	-	-	-	-
TOTAL - - -	99	192	1,029	1,320	825	-	-	-	-
1st Regiment of Dragoon Guards (India)	4	13	57	74	-	32	53	462	547
2d ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
3d ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
4th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
5th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
6th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
7th ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
1st Regiment of Dragoons - - -	34	59	496	589	368	-	-	-	-
2d ditto - ditto - - -	34	59	496	589	368	-	-	-	-
3d ditto - ditto - - -	34	60	496	590	369	-	-	-	-
4th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
5th ditto - ditto - (India)	4	13	57	74	-	32	53	462	547
6th ditto - ditto - (India)	4	13	57	74	-	32	53	462	547
7th ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
8th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
9th ditto - ditto - - -	34	58	496	588	368	-	-	-	-
10th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
11th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
12th ditto - ditto - - -	34	58	496	588	368	-	-	-	-
13th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
14th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
15th ditto - ditto - - -	34	59	496	589	368	-	-	-	-
16th ditto - ditto - - -	34	58	496	588	368	-	-	-	-
17th ditto - ditto - - -	34	58	496	588	-	-	-	-	-
18th ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
19th ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
20th ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
21st ditto - ditto - (India)	4	13	57	74	-	32	52	462	546
TOTAL - - -	622	1,143	9,059	10,824	5,889	352	575	5,082	6,000

Appendix, No. 2.—DETAIL of the Regimental Establishments of Her Majesty's Land Forces at Home and Abroad—*continued*.

CORPS.	Numbers on British Establishment, including the Depôts in England of Regiments in India.					Numbers on Indian Establishment to be paid out of Indian Revenues.			
	Officers.	Non- Commis- sioned Officers.	Rank and File.	All Ranks.	Horses.	Officers.	Non- Commis- sioned Officers.	Rank and File.	All Ranks.
ROYAL REGIMENT OF ARTILLERY:									
1st Brigade - - - -	53	71	744	868	-	-	-	-	-
2d ditto - - - -	53	70	744	867	-	-	-	-	-
3d ditto - - - -	53	71	744	868	-	-	-	-	-
4th ditto - - - -	75	136	1,720	1,931	856	-	-	-	-
5th ditto - - - -	53	71	744	868	-	-	-	-	-
6th ditto - - - -	53	71	744	868	-	-	-	-	-
7th ditto - - - -	53	71	744	868	-	-	-	-	-
8th ditto - - - -	62	110	1,376	1,548	762	-	-	-	-
9th ditto - - - -	62	110	1,376	1,548	762	-	-	-	-
10th ditto - - - -	55	71	744	870	-	-	-	-	-
11th ditto - - (India)	-	-	-	-	-	61	83	938	1,082
12th ditto - - - -	53	71	744	868	-	-	-	-	-
13th ditto - - - -	53	71	744	868	-	-	-	-	-
14th ditto - - (India)	-	-	-	-	-	61	83	938	1,082
15th ditto - - - -	53	70	744	867	-	-	-	-	-
16th ditto - - (India)	-	-	-	-	-	61	83	938	1,082
17th ditto - - (India)	-	-	-	-	-	51	55	476	582
18th ditto - - (India)	-	-	-	-	-	61	83	938	1,082
19th ditto - - (India)	-	-	-	-	-	61	83	938	1,082
20th ditto - - (India)	-	-	-	-	-	57	71	740	868
21st ditto - - (India)	-	-	-	-	-	53	59	542	654
22d ditto - - (India)	-	-	-	-	-	60	79	872	1,011
23d ditto - - (India)	-	-	-	-	-	61	83	938	1,082
24th ditto - - (India)	-	-	-	-	-	51	55	476	582
25th ditto - - (India)	-	-	-	-	-	51	55	476	582
Coast ditto - - - -	29	438	1,274	1,741	-	-	-	-	-
Depôt ditto - - - -	39	211	1,064	1,314	-	-	-	-	-
	799	1,713	14,250	16,762	2,380	689	872	9,210	10,771
Royal Artillery Depôt - - -	25	71	1,341	1,437	-	-	-	-	-
Royal Engineers:									
Officers - - - -	399	-	-	399	-	336	-	-	-
40 Companies - - - -	-	344	3,474	3,818	-	-	-	-	-
A and B Troops - - - -	1	30	444	475	307	-	-	-	-
Military Train - - - -	97	186	1,534	1,817	996	-	-	-	-

Appendix, No. 2.—DETAIL of the Regimental Establishments of Her Majesty's Land Forces at Home and Abroad—*continued.*

CORPS.	Numbers on British Establishment, including the Depôts in England of Regiments in India.				Numbers on Indian Establishment to be paid out of Indian Revenues.			
	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.
INFANTRY :								
Grenadier Guards - - -	109	186	2,250	2,545	-	-	-	-
Coldstream Guards - - -	74	124	1,500	1,698	-	-	-	-
Scots Fusilier Guards - - -	74	136	1,500	1,710	-	-	-	-
TOTAL - - -	257	446	5,250	5,953				
1st Regt. of Foot 1st Battal. (India)	7	14	100	121	39	69	850	958
1st ditto - 2d " - -	44	81	750	875	-	-	-	-
2d ditto - 1st " - -	45	81	750	876	-	-	-	-
2d ditto - 2d " - -	44	83	800	927	-	-	-	-
3d ditto - 1st " - -	45	81	760	886	-	-	-	-
3d ditto - 2d " - -	44	83	800	927	-	-	-	-
4th ditto - 1st " (India)	7	14	100	121	39	69	850	958
4th ditto - 2d " - -	44	83	800	927	-	-	-	-
5th ditto - 1st " - -	45	81	750	876	-	-	-	-
5th ditto - 2d " - -	44	83	800	927	-	-	-	-
6th ditto - 1st " - -	45	81	750	876	-	-	-	-
6th ditto - 2d " - -	44	83	800	927	-	-	-	-
7th ditto - 1st " (India)	7	14	100	121	39	69	850	958
7th ditto - 2d " - -	44	83	800	927	-	-	-	-
8th ditto - 1st " - -	45	81	760	886	-	-	-	-
8th ditto - 2d " - -	44	83	800	927	-	-	-	-
9th ditto - 1st " - -	45	83	800	928	-	-	-	-
9th ditto - 2d " - -	45	83	800	928	-	-	-	-
10th ditto - 1st " - -	45	83	800	928	-	-	-	-
10th ditto - 2d " (India)	6	14	100	120	39	69	850	958
11th ditto - 1st " (India)	7	14	100	121	39	69	850	958
11th ditto - 2d " - -	45	83	800	928	-	-	-	-
12th ditto - 1st " - -	45	83	950	1,078	-	-	-	-
12th ditto - 2d " (India)	6	14	100	120	39	69	850	958
13th ditto - 1st " - -	45	81	750	876	-	-	-	-
13th ditto - 2d " - -	44	83	800	927	-	-	-	-
14th ditto - 1st " - -	45	81	750	876	-	-	-	-
14th ditto - 2d " - -	44	83	950	1,077	-	-	-	-
15th ditto - 1st " - -	45	81	750	876	-	-	-	-
15th ditto - 2d " - -	44	83	800	927	-	-	-	-
16th ditto - 1st " - -	45	83	800	928	-	-	-	-
16th ditto - 2d " - -	44	83	800	927	-	-	-	-
17th ditto - 1st " - -	45	83	750	878	-	-	-	-
17th ditto - 2d " - -	44	83	800	927	-	-	-	-
18th ditto - 1st " (India)	7	14	100	121	39	69	850	958
18th ditto - 2d " - -	44	83	950	1,077	-	-	-	-
19th ditto - 1st " (India)	7	14	100	121	39	69	850	958
19th ditto - 2d " (India)	6	14	100	120	39	69	850	958
20th ditto - 1st " (India)	7	14	100	121	39	69	850	958
20th ditto - 2d " - -	45	83	800	928	-	-	-	-
21st ditto - 1st " - -	45	81	750	876	-	-	-	-
21st ditto - 2d " (India)	6	14	100	120	39	69	850	958
22d ditto - 1st " - -	45	83	800	928	-	-	-	-
22d ditto - 2d " - -	44	83	800	927	-	-	-	-
23d ditto - 1st " (India)	7	14	100	121	39	69	850	958
23d ditto - 2d " - -	44	83	800	927	-	-	-	-
24th ditto - 1st " - -	45	81	750	876	-	-	-	-
24th ditto - 2d " - -	44	83	900	1,027	-	-	-	-
25th ditto - 1st " - -	45	83	800	928	-	-	-	-
25th ditto - 2d " (Ceylon)	45	83	950	1,078	-	-	-	-
26th ditto - - - - -	45	81	900	1,026	-	-	-	-
27th ditto - - - (India)	7	14	100	121	39	69	850	958
28th ditto - - - - -	45	81	700	826	-	-	-	-
29th ditto - - - - -	45	81	800	926	-	-	-	-
30th ditto - - - - -	45	83	800	928	-	-	-	-
31st ditto - - - - -	45	81	750	876	-	-	-	-
32d ditto - - - - -	45	81	800	926	-	-	-	-
33d ditto - - - (India)	7	14	100	121	39	69	850	958
34th ditto - - - (India)	7	14	100	121	39	69	850	958
35th ditto - - - (India)	7	14	100	121	39	69	850	958
36th ditto - - - (India)	7	14	100	121	39	69	850	958
Carried forward - - -	2,078	3,858	36,970	42,906	663	1,173	14,450	16,286

Appendix, No. 2.—DETAIL of the Regimental Establishments of Her Majesty's Land Forces at Home and Abroad—*continued.*

C O R P S.	Numbers on British Establishment, including the Depôts in England of Regiments in India.				Numbers on Indian Establishment to be paid out of Indian Revenues.			
	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.
Brought forward - - -	2,078	3,858	36,970	42,906	663	1,173	14,450	16,286
INFANTRY— <i>continued.</i>								
37th Regiment of Foot - - -	45	81	750	876	-	-	-	-
38th ditto - - - (India)	7	14	100	121	39	69	850	958
39th ditto - - -	45	81	750	876	-	-	-	-
40th ditto - - -	45	81	750	876	-	-	-	-
41st ditto - - -	45	81	900	1,026	-	-	-	-
42d ditto - - - (India)	7	14	100	121	39	75	850	964
43d ditto - - -	45	81	750	876	-	-	-	-
44th ditto - - - (India)	7	14	100	121	39	69	850	958
45th ditto - - - (India)	7	14	100	121	39	69	850	958
46th ditto - - - (India)	7	14	100	121	39	69	850	958
47th ditto - - -	45	83	800	928	-	-	-	-
48th ditto - - -	45	81	700	826	-	-	-	-
49th ditto - - -	45	81	900	1,026	-	-	-	-
50th ditto - - -	45	83	950	1,070	-	-	-	-
51st ditto - - - (India)	7	14	100	121	39	69	850	958
52d ditto - - -	45	81	700	826	-	-	-	-
53d ditto - - -	45	81	760	886	-	-	-	-
54th ditto - - - (India)	7	14	100	121	39	69	850	958
55th ditto - - - (India)	7	14	100	121	39	69	850	958
56th ditto - - - (India)	7	14	100	121	39	69	850	958
57th ditto - - -	45	83	950	1,078	-	-	-	-
58th ditto - - - (India)	7	14	100	121	39	69	850	958
59th ditto - - -	45	81	750	876	-	-	-	-
60th ditto - - - 1st Bat.	45	81	760	886	-	-	-	-
60th ditto - - - 2d "	45	81	750	876	-	-	-	-
60th ditto - - - 3d "	6	14	100	120	39	69	850	958
60th ditto - - - 4th " (India)	44	83	800	927	-	-	-	-
61st ditto - - -	45	81	760	886	-	-	-	-
62d ditto - - -	45	81	750	876	-	-	-	-
63d ditto - - -	45	83	750	878	-	-	-	-
64th ditto - - -	45	81	750	876	-	-	-	-
65th ditto - - -	45	81	750	876	-	-	-	-
66th ditto - - -	45	81	700	826	-	-	-	-
67th ditto - - -	45	83	800	928	-	-	-	-
68th ditto - - -	45	81	750	876	-	-	-	-
69th ditto - - -	45	83	800	928	-	-	-	-
70th ditto - - -	45	81	750	876	-	-	-	-
71st ditto - - -	45	87	700	832	-	-	-	-
72d ditto - - - (India)	7	14	100	121	39	75	850	864
73d ditto - - -	45	81	750	876	-	-	-	-
74th ditto - - -	45	87	750	882	-	-	-	-
75th ditto - - -	45	81	750	876	-	-	-	-
76th ditto - - - (India)	7	14	100	121	39	69	850	958
77th ditto - - - (India)	7	14	100	121	39	69	850	958
78th ditto - - -	45	87	800	932	-	-	-	-
79th ditto - - - (India)	7	14	100	121	39	75	850	964
80th ditto - - - (India)	7	14	100	121	39	69	850	958
81st ditto - - -	45	81	700	826	-	-	-	-
82d ditto - - - (India)	7	14	100	121	39	69	850	958
83d ditto - - -	45	81	750	876	-	-	-	-
84th ditto - - -	45	81	800	926	-	-	-	-
85th ditto - - -	45	81	750	876	-	-	-	-
86th ditto - - -	45	83	800	928	-	-	-	-
87th ditto - - -	45	81	750	876	-	-	-	-
88th ditto - - - (India)	7	14	100	121	39	69	850	958
89th ditto - - -	45	81	700	826	-	-	-	-
90th ditto - - - (India)	7	14	100	121	39	69	850	958
91st ditto - - - (India)	7	14	100	121	39	69	850	958
92d ditto - - -	45	87	750	882	-	-	-	-
93d ditto - - - (India)	7	14	100	121	39	75	850	964
94th ditto - - - (India)	7	14	100	121	39	69	850	958
95th ditto - - - (India)	7	14	100	121	39	69	850	958
96th ditto - - -	45	83	900	1,028	-	-	-	-
Carried forward - - -	4,037	7,462	70,200	81,699	1,560	2,784	34,000	38,344

Appendix, No. 2.—DETAIL of the Regimental Establishments of Her Majesty's Land Forces at Home and Abroad—continued.

C O R P S.	Numbers on British Establishment, including the Depôts in England of Regiments in India.				Numbers on Indian Establishment to be paid out of Indian Revenues.			
	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.
Brought forward - - -	4,037	7,462	70,200	81,699	1,560	2,784	34,000	38,344
INFANTRY—continued.								
97th Regiment of Foot - (India)	7	14	100	121	39	69	850	958
98th ditto - - - (India)	7	14	100	121	39	69	850	958
99th ditto - - - -	45	83	800	928	-	-	-	-
100th ditto - - - -	45	83	800	928	-	-	-	-
101st ditto - - - (India)	7	14	100	121	39	69	850	958
102d ditto - - - (India)	7	14	100	121	39	69	850	958
103d ditto - - - (India)	7	14	100	121	39	69	850	958
104th ditto - - - (India)	7	14	100	121	39	69	850	958
105th ditto - - - (India)	7	14	100	121	39	69	850	958
106th ditto - - - (India)	7	14	100	121	39	69	850	958
107th ditto - - - (India)	7	14	100	121	39	69	850	958
108th ditto - - - (India)	7	14	100	121	39	69	850	958
109th ditto - - - (India)	7	14	100	121	39	69	850	958
Rifle Brigade 1st Battalion - -	45	83	800	928	-	-	-	-
Ditto 2d Battalion - (India)	7	14	100	121	39	69	850	958
Ditto 3d Battalion - (India)	6	14	100	120	39	69	850	958
Ditto 4th Battalion - - -	44	83	800	927	-	-	-	-
TOTAL - - -	4,306	7,976	74,700	86,982	2,067	3,681	45,050	50,798
Army Hospital Corps - - -	1	220	759	980	-	-	-	-
Commissariat Staff Corps - - -	2	112	488	602	-	-	-	-
1st West India Regiment - - -	48	68	750	866	-	-	-	-
2d ditto - - - -	48	68	750	866	-	-	-	-
3d ditto - - - -	50	67	750	867	-	-	-	-
4th ditto - - - -	50	68	750	868	-	-	-	-
TOTAL - - -	196	271	3,000	3,467	-	-	-	-
Ceylon Rifle Regiment - - -	79	95	1,200	1,374	-	-	-	-
Cape Mounted Rifles - - -	28	52	474	554	-	-	-	-
Royal Malta Fencible Artillery - -	25	50	564	639	-	-	-	-
Royal Canadian Rifle Regiment - -	53	97	1,200	1,350	-	-	-	-
African Artillery - - -	-	-	64	64	-	-	-	-
Gun Lascars, Hong Kong - - -	-	8	80	88	-	-	-	-
TOTAL - - -	185	302	3,582	4,069	-	-	-	-

RECAPITULATION.

C O R P S.	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.	Horses.	Officers.	Non Commis- sioned Officers.	Rank and File.	All Ranks.
CAVALRY:									
Royal Horse Artillery - - -	86	132	1,720	1,938	1,356	201	249	2,680	3,130
Depôt - ditto - (for India)	11	35	404	450	160				
Riding Establishment - - -	7	13	205	225	122				
Life and Horse Guards - - -	99	192	1,029	1,320	825	352	575	5,082	6,009
Cavalry of the Line - - -	578	1,000	8,432	10,010	5,889				
Depôt - ditto - (for India)	44	143	627	814	300				
INFANTRY:									
Royal Artillery - - -	799	1,713	14,250	16,762	2,380	693 336	874 -	9,210 -	10,777 336
Depôt - ditto - (for India)	25	71	1,341	1,437	-				
Royal Engineers - - -	400	374	3,918	4,692	307				
Military Train - - -	97	186	1,534	1,817	996	2,067	3,681	45,050	50,798
Foot Guards - - -	257	446	5,250	5,953	-				
Infantry of the Line - - -	3,940	7,234	69,400	80,574	-				
Depôt - ditto - (for India)	366	742	5,300	6,408	-	3,649	5,379	62,022	71,050
Army Hospital Corps - - -	1	220	759	980	-				
Commissariat Staff Corps - - -	2	112	488	602	-				
West India Regiments - - -	196	271	3,000	3,467	-				
Colonial Corps - - -	185	302	3,582	4,069	450				
TOTAL Force on British and Indian Establishments - }	7,093	13,186	121,239	141,518	12,785				

Vote 1.

APPENDIX, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES.

ROYAL HORSE ARTILLERY.						RIDING ESTABLISHMENT.			
HORSE BRIGADES.				INDIAN DEPÔT.		RANKS.	Rate	Nos.	Amount.
RANKS.	Rate per Diem each.	Nos.	Amount.	Nos.	Amount.		per Diem each.		
	s. d.		£. s. d.		£. s. d.		s. d.		£. s. d.
Colonel Commandant - -	—	1	1,082 - -	4	4,328 - -	Captain - - -	15 11	1	*
Colonels - - -	32 -	2	—	—	—	Second Captain - - -	15 11	1	—
Lieutenant Colonels - -	26 9	2	—	—	—	Lieutenants - - -	9 10	2	—
Ditto, Major's Pay - -	22 8	1	—	1	—	Riding Masters - - -	9 10	2	—
Captains - - -	15 11	5	—	—	—	Veterinary Surgeons - -	10 -	1	—
Second Captains - - -	15 11	5	—	—	—	Serjeants Major - - -	4 5½	2	—
Lieutenants - - -	9 -	15	—	—	—	Quartermaster Serjeants -	3 11¼	2	—
Surgeon - - -	15 -	1	—	1	—	Serjeants - - -	3 -	7	—
Assistant Surgeons - -	10 -	5	—	1	—	Farrier and Carriage Smith -	3 4½	1	—
Veterinary Surgeons - -	10 -	2	—	1	—	Trumpeter - - -	2 1¼	1	—
Paymaster - - -	12 6	1	—	1	—	Corporals - - -	2 4	8	—
Riding Master - - -	9 -	1	—	1	—	Bombardiers - - -	2 2	8	—
Adjutant - - -	17 9	1	—	1	—	Shoeing Smiths - - -	2 ¾	6	—
Quartermaster - - -	10 10	1	—	1	—	Collar-makers - - -			
Serjeant Major - - -	4 5¼	1	—	1	—	Wheelers - - -			
Quartermaster Serjeant -	3 11¼	1	—	1	—	Gunnery - - -	1 5½	90	—
Field Battery, Serjeant Majors	3 11¼	5	—	2	—	Drivers - - -	1 3¼	90	—
Ditto, Quartermaster Serjeants	3 11¼	5	—	2	—				
Serjeants - - -	3 -	35	—	16	—				
Trumpet Major - - -	3 -	1	—	—	—				
Armourer Serjeant - - -	3 -	5	—	2	—				
Hospital Serjeant - - -	3 -	1	—	1	—				
Orderly-room Serjeant - -	3 -	1	—	2	—				
Paymaster Serjeant - - -	3 -	1	—	1	—				
Staff Farrier and Carriage Smith	3 10¾	—	—	1	—				
Staff Collar-maker - - -	3 4¾	—	—	1	—				
Staff Wheeler - - -	3 4¾	—	—	1	—				
Farriers and Carriage Smiths	3 4¾	5	—	2	—				
Trumpeters - - -	2 1¼	5	—	2	—				
Corporals - - -	2 4	30	—	16	—				
Bombardiers - - -	2 2	25	—	16	—				
Shoeing Smiths - - -	2 3¼	25	—	10	—				
Collar-makers - - -	2 ¾	15	—	6	—				
Wheelers - - -	2 ¾	15	—	6	—				
Gunnery - - -	1 5¼	400	—	200	—				
Drivers - - -	1 3¼	350	—	150	—				
			37,460 - 6½		14,622 8 7¾				
TOTAL NUMBERS and PAY - - -		969	38,542 - 6½	450	18,950 8 7¾	TOTAL NUMBERS and PAY - -		225	7,714 16 1¾

RECAPITULATION.									
						RANKS.	Rate	Nos.	Amount.
							per Diem each.		
							s. d.		£. s. d.
Total Pay, 2 Horse Brigades, each at 38,542 l. - s. 6½ d. - - -									77,084 - -½
Ditto - Depôt for India - - -									18,950 8 7¾
TOTAL PAY - - - £.									96,034 8 8¼
Additional Pay - - -									1,618 - -
Good Conduct Pay - - -									2,342 - -
Beer Money - - -									3,382 - -
Command Pay - - -									329 - -
Contingent Allowance - - -									795 - -
Allowance to Rough Riders, and Farriery Allowance									1,247 - -
Gunnery Instruction - - -									183 - -
Allowance in aid of Regimental Messes - - -									400 - -
Agency (included in amount for Royal Artillery)									—
Regimental Postage and Stationery - - -									150 - -
TOTAL PAY and ALLOWANCES - - - £.									106,480 8 8¼

Additional Pay - - -									—
Good Conduct Pay - - -									170 - -
Beer Money - - -									312 - -
Command Pay - - -									120 - -
Non-Effective and Contingent Allowance - - -									51 5 - -
Farriery Allowance - - -									99 - -
Regimental Mess - - -									37 10 - -
Ditto - Postage and Stationery - - -									9 - -
TOTAL PAY and ALLOWANCES - - - £.									8,513 11 1¾

VOTE 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

L I F E G U A R D S.				H O R S E G U A R D S.			
Total Charge for Two Regiments, consisting of Eight Troops each.				Total Charge of the Regiment, consisting of Eight Troops.			
ESTABLISHMENT.	Nos.	Rate per Diem each.	Total Annual Pay, &c.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Total Annual Pay, &c.
		s. d.	£. s. d.			s. d.	£. s. d.
Colonel - - - - -	1	- -	1,800 - -	Colonel - - - - -	1	- -	1,800 - -
Lieutenant Colonel - - - - -	1	29 2		Lieutenant Colonel - - - - -	1	29 2	
Major - - - - -	1	24 5		Major - - - - -	1	24 5	
Captains - - - - -	8	15 1		Captains - - - - -	8	15 1	
Lieutenants - - - - -	8	10 4		Lieutenants - - - - -	8	10 4	
Cornets - - - - -	8	8 -		Cornets - - - - -	8	8 -	
Adjutant - - - - -	1	13 -		Adjutant - - - - -	1	13 -	
Quartermaster - - - - -	1	9 6		Quartermaster - - - - -	1	9 6	
Riding Master - - - - -	1	9 -		Riding Master - - - - -	1	9 -	
Surgeon - - - - -	1	15 -		Surgeon - - - - -	1	15 -	
Assistant Surgeon - - - - -	1	10 -		Assistant Surgeon - - - - -	1	10 -	
Veterinary Surgeon - - - - -	1	10 -		Veterinary Surgeon - - - - -	1	10 -	
Regimental Corporal Major - - - - -	1	4 2		Regimental Corporal Major - - - - -	1	4 2	
Troop Corporal Major - - - - -	8	3 8		Troop Corporal Major - - - - -	8	3 8	
Bandmaster Corporal - - - - -	1	4 2		Bandmaster Corporal - - - - -	1	4 2	
Quartermaster Corporal - - - - -	1	3 8		Quartermaster Corporal - - - - -	1	3 8	
Instructor of Musketry - - - - -	1	3 -		Instructor of Musketry - - - - -	1	3 -	
Corporals - - - - -	32	2 8½		Corporals - - - - -	32	2 5½	
Saddler Corporal - - - - -	1	2 8½		Saddler Corporal - - - - -	1	2 5½	
Farrier Major - - - - -	1	4 -		Farrier Major - - - - -	1	3 9	
Farriers - - - - -	8	3 2		Farriers - - - - -	8	2 11	
Armourer Corporal - - - - -	1	2 8½		Armourer Corporal - - - - -	1	2 5½	
Trumpet Major - - - - -	1	2 11		Trumpet Major - - - - -	1	2 8	
Trumpeters - - - - -	7	2 1		Trumpeters - - - - -	7	1 10	
Kettle Drummer - - - - -	1	2 6		Kettle Drummer - - - - -	1	2 -	
Shoeing Smiths - - - - -	8	2 7		Shoeing Smiths - - - - -	8	2 4	
Privates - - - - -	335	1 11½		Privates - - - - -	335	1 8½	
TOTAL NUMBERS and PAY - -				TOTAL NUMBERS and PAY - -			
	440	- -	22,669 18 5½		440	- -	20,863 3 5½
		£.	24,469 18 5½			£.	22,663 3 5½
Additional Pay - - - - -			244 - -	Additional Pay - - - - -			122 - -
Good Conduct Pay - - - - -			798 - -	Good Conduct Pay - - - - -			799 - -
Beer Money - - - - -			600 - -	Beer Money - - - - -			600 - -
Non-Effective and Contingent Allowances - - - - -			320 - -	Non-Effective and Contingent Allowance - - - - -			320 - -
Allowance to Riding Masters and Rough Riders, Farriery } Allowance, and Allowance to Lance Corporals }			316 - -	Allowance to Riding Masters and Rough Riders, Farriery } Allowance, and Allowance to Lance Corporals }			316 - -
Allowance in aid of Regimental Messes - - - - -			200 - -	Allowance in aid of Regimental Messes - - - - -			200 - -
Agency - - - - -			218 - -	Agency - - - - -			214 - -
Regimental Postage and Stationery - - - - -			68 - -	Regimental Postage and Stationery - - - - -			68 - -
Allowance for paying the Regiment - - - - -			105 - -	Allowance for paying the Regiment - - - - -			105 - -
Cost of 1st Regiment of Life Guards - - - - -			27,338 18 5½				
Cost of 2d - - - - ditto - - - - -			27,338 18 5½				
TOTAL PAY and ALLOWANCES - £.				TOTAL PAY and ALLOWANCES - £.			
			54,677 16 10½				25,407 3 5½
Life Guards - - - - -				£. s. d.			
Horse Guards - - - - -				54,677 16 10½			
				25,407 3 5½			
TOTAL - - - - £.				80,085 - 3½			

Vote 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

CAVALRY OF THE LINE.

Total Charge of Seventeen Regiments consisting of Eight Troops each.				Total Charge of Eleven Depôts in England for Regiments serving in India.			
ESTABLISHMENT.	Nos.	Rate per Diem each.	Total Annual Pay, &c.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Total Annual Pay, &c.
		s. d.	£. s. d.			s. d.	£. s. d.
Colonel - - -	1	- -	1,350 - -	Colonel - - -	1	- -	1,350 - -
Lieutenant Colonel - -	1	23 -		Lieutenant Colonel - -			
Major - - -	1	19 3		Major - - -			
Captains - - -	8	14 7		Captain - - -	1	14 7	
				Lieutenant - - -	1	9 -	
Lieutenants - - -	8	9 -		Cornet - - -	1	8 -	
Cornets - - -	8	8 -					
Paymaster - - -	1	12 6		Paymaster - - -			
Adjutant - - -	1	11 6		Adjutant - - -			
				Riding Masters - - -			
Riding Master - - -	1	9 -		Quartermaster - - -			
Quarter Master - - -	1	8 6					
Surgeon - - -	1	15 -		Surgeon - - -			
Assistant Surgeon - -	1	10 -		Assistant Surgeon - -			
Veterinary Surgeon - -	1	10 -		Veterinary Surgeon - -			
Band Master - - -	1	3 8		Band Master - - -			
Regimental Serjeant - -	1	3 8		Regimental Serjeant - -			
Major - - -				Major - - -			
Troop Serjeants Major - -	8	3 2		Troop Serjeant Major - -	1	3 2	
Serjeant Instructor of } Musketry - - -	1	3 -		Instructor of Musketry - - -			
Paymaster Serjeant - -	1	2 4		Paymaster Serjeant - -			
Quartermaster Serjeant - -	1	3 2		Quartermaster Serjeant - -			
Armourer Serjeant - -	1	2 4		jeant - - -			
				Armourer Serjeant - -			
Farrier Major - - -	1	3 8		Farrier Major - - -			
Farriers - - -	8	2 6		Farriers - - -			
Saddler Serjeant - -	1	3 4		Saddler Serjeant - -			
Hospital Serjeant - -	1	2 4		Hospital Serjeant - -			
Orderly-room Clerk - -	1	2 4		Orderly-room Clerk - -			
				Serjeants - - -	8	2 4	
Serjeants - - -	24	2 4					
Trumpet Major - - -	1	2 4		Trumpet Majors - - -			
Trumpeters - - -	8	1 5		Trumpeters - - -	4	1 5	
Corporals - - -	32	1 7½		Corporals - - -	4	1 7½	
Shoeing Smiths - - -	8	1 11		Shoeing Smith - - -	1	1 11	
Saddlers - - -	3	1 10½		Privates - - -	52	1 3	
Saddletree Maker - - -	1	1 10½					
Privates - - -	452	1 3					
TOTAL NUMBERS } and PAY - - -	589	- -	21,098 10 5	TOTAL NUMBERS } and PAY - - -	74	- -	2,418 2 6
		£.	22,448 10 5			£.	3,768 2 6
17 Regiments at £. 22,448 10s. 5d.			381,624 17 1	TOTAL PAY of 11 Depôts at the above strength - - -	£.	41,449 7 6	
Add:							
1 Kettle Drummer - - -			33 9 2				
Less:							
3 Serjeants of Musketry not required in Lancer Regiments - -			381,658 6 3				
			164 5 -				
		£.	381,494 1 3				

Total Pay of Cavalry:	Brought forward - -	£. s. d.
Command Pay - - -	- - -	931 - -
Additional Pay - - -	- - -	4,300 - -
Good Conduct Pay - - -	- - -	10,100 - -
Beer Money - - -	- - -	13,800 - -
Non-effective and Contingent Allowance - -	- - -	6,600 - -
Allowance to Riding Masters and Rough Riders, Farriery - -	- - -	7,000 - -
Allowance, and Allowance to Lance Serjeants - -	- - -	6,600 - -
Agency - - -	- - -	3,700 - -
Allowance in aid of Regimental Messes - -	- - -	1,200 - -
Regimental Postage and Stationery - -	- - -	- - -
TOTAL PAY and ALLOWANCES - - -	£.	477,174 - -

MILITARY TRAIN.

ESTABLISHMENT.	Nos.	Rate per Diem each.	Amount.
		s. d.	£. s. d.
Colonels Commandant - -	1	32 3	
Lieutenant Colonel - -	3	17 -	
Majors - - -	3	16 -	
Captains - - -	24	11 7	
Lieutenants - - -	30	6 6	
Ensigns - - -	12	5 3	
Adjutants - - -	4	10 -	
Quartermasters - - -	4	6 6	
Paymasters - - -	3	12 6	
Surgeons - - -	2	15 -	
Assistant Surgeons - -	5	10 -	
Riding Masters - - -	2	9 -	
Veterinary Surgeons - -	4	10 -	
Serjeant Majors - - -	2	3 8	
Quartermaster Serjeants - - -	2	3 2	
Paymaster Serjeants - -	4	2 4	
Orderly Room Clerks - -	4	2 4	
Armourer Serjeants - -	4	2 4	
Serjeant Wheelers - - -	6	3 4	
Farrier Majors - - -	6	3 8	
Serjeant Saddlers - - -	6	3 4	
Farriers - - -	24	2 6	
Troop Serjeants Major - -	24	3 2	
Serjeants - - -	72	2 4	
Trumpet Majors - - -	6	2 4	
Trumpeters - - -	24	1 5	
Corporals - - -	96	1 7½	
Shoeing Smiths - - -	24	1 11	
Collar and Harness Makers - - -	18	1 10½	
Smiths - - -	12	1 3	
Wheelers - - -	18	1 10½	
Privates - - -	1356	1 3	
	1805	- -	61,026 9 7
Add, Non-commissioned Officers and Men doing duty with Legation in Japan - -	12	- -	358 3 6½
TOTAL NUMBERS } and PAY - - -	1817	- -	61,384 13 1½
WORKING PAY to ARTIFICERS - -			960 - -
			62,344 13 1½
Additional Pay - - -	- - -	1,275 - -	
Good Conduct Pay - - -	- - -	1,240 - -	
Beer Money - - -	- - -	2,190 - -	
Command Pay - - -	- - -	330 - -	
Non-effective and Contingent Allowances - -	- - -	858 - -	
Allowances to Riding Masters and Rough Riders and Farriery Allowance - - -	- - -	839 - -	
Regimental Messes - - -	- - -	500 - -	
Agency - - -	- - -	260 - -	
Postage and Stationery - -	- - -	240 - -	
TOTAL PAY and ALLOWANCES - £.			70,076 13 1½

Vote 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*

ROYAL ARTILLERY.

RANKS.	Rate per Diem each.	GARRISON BRIGADES.					
		1st, 3d, 5th, 6th, 7th, 12th, and 13th BRIGADES.		2d & 15th BRIGADES.		10th BRIGADE.	
		Nos.	Amount.	Nos.	Amount.	Nos.	Amount.
	<i>s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>
Colonels Commandant - - -	- -	1	994 - -	1	994 - -	1	994 - -
Colonels - - - - -	26 -	2		2		2	
Lieutenant Colonels - - -	17 11	3		3		3	
Ditto - Majors' Pay - - -	16 9	1		1		1	
Majors - - - - -	16 9	-		-		-	
Captains - - - - -	12 1	8		8		8	
Second ditto - - - - -	11 -	8		8		8	
Lieutenants - - - - -	6 10	16		16		16	
Ditto - - - - -	5 7	8		8		8	
Surgeons - - - - -	15 -	1		1		1	
Assistant Surgeons - - -	10 -	2		3		4	
Veterinary Surgeons - - -	10 -	-		-		-	
Paymasters - - - - -	12 6	1		-		1	
Riding Masters - - - - -	9 -	-		-		-	
Adjutants - - - - -	12 8	1		1		1	
Quartermasters - - - - -	7 10	1		1		1	
Field Battery Serjeants Major -	3 9½	-		-		-	
Ditto - Quartermaster Serjeants	3 9½	-		-		-	
Serjeant Majors - - - - -	4 3½	1		1		1	
Quartermaster Serjeants - - -	3 9½	1		1		1	
Battery Serjeants Major - - -	3 4	8		8		8	
Serjeants - - - - -	2 10	40		40		40	
Armourer Serjeants - - - - -	2 10	1		1		1	
Hospital Serjeants - - - - -	2 10	1		1		1	
Orderly Room Serjeants - - -	2 10	1		1		1	
Paymaster Serjeants - - - - -	2 10	1		-		1	
Bandmaster - - - - -	5 8	-		-		-	
Drum Major - - - - -	3 9½	-		-		-	
Staff Farrier and Carriage Smith	3 8½	-		-		-	
Staff Collar Maker - - - - -	3 2½	-		-		-	
Staff Wheelers - - - - -	3 2½	-		-		-	
Trumpet Majors - - - - -	2 10	1		1		1	
Musicians - - - - -	1 5½	-		-		-	
Trumpeters - - - - -	1 3½	16		16		16	
Farriers and Carriage Smiths -	3 2½	-		-		-	
Serjeant of the Band - - - -	3 -½	-		-		-	
First Corporal ditto - - - -	2 4½	-		-		-	
Second ditto - ditto - - - -	2 2½	-		-		-	
Corporals - - - - -	2 2	32		32		32	
Bombardiers - - - - -	2 -	32		32		32	
Shoeing Smiths - - - - -	2 1½	-		-		-	
Collar Makers - - - - -	1 10½	-		-		-	
Wheelers - - - - -	1 10½	-		-		-	
Gunnery - - - - -	1 3½	680		680		680	
Drivers - - - - -	1 3½	-		-		-	
		-	31,193 1 -½	-	31,095 14 4½	-	31,558 1 -½
TOTAL NUMBERS and PAY - - -		868	32,187 1 -½	867	32,089 14 4½	870	32,552 1 -½

RECAPITULATION.

	<i>£. s. d.</i>
Pay of 1st, 3d, 5th, 6th, 7th, 12th, and 13th Brigades, at £. 32,187. 1. -½	225,309 7 3½
„ 10th Brigade - - - - -	32,552 1 -½
„ 2d and 15th Brigade - - - - -	64,179 8 9
„ 4th Brigade - - - - -	64,289 11 3
„ 8th and 9th Brigades, at - - - - - £. 52,283. 6. 10½	104,566 13 9
„ Coast Brigade - - - - -	61,984 4 5½
„ Depôt Brigade - - - - -	44,936 8 10½
	597,817 15 5
„ Depôt of Brigades serving in India - - - - -	51,300 9 5½
Total Pay: Carried forward - - - £.	649,118 4 10½

VOTE 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

ROYAL ARTILLERY—continued.

RANKS.	Rate per Diem each.	FIELD BRIGADES.				COAST BRIGADE.		DEPÔT BRIGADE.		Depôt for Brigades of Royal Artillery serving in India.	
		4th BRIGADE.		8th & 9th BRIGADES.							
		Nos.	Amount.	Nos.	Amount.	Nos.	Amount.	Nos.	Amount.	Nos.	Amount.
	<i>s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>		<i>£. s. d.</i>
Colonels Commandant - - -	-	1	994 - -	1	994 - -	-	-	-	-	12	11,928 - -
Colonels - - -	26 -	2	-	2	-	-	-	-	-	-	-
Lieutenant Colonels - - -	17 11	3	-	3	-	1	-	-	-	1	-
Ditto, Major's Pay - - -	16 9	1	-	1	-	-	-	-	-	-	-
Majors - - -	16 9	-	-	-	-	-	-	-	-	-	-
Captains - - -	12 1	10	-	8	-	10	-	3	-	-	-
Second ditto - - -	11 -	10	-	8	-	-	-	9	-	-	-
Lieutenants - - -	6 10	20	-	16	-	16	-	9	-	-	-
Ditto - - -	5 7	10	-	8	-	-	-	4	-	-	-
Surgeons - - -	15 -	1	-	1	-	-	-	6	-	-	-
Assistant Surgeons - - -	10 -	8	-	6	-	1	-	2	-	4	-
Veterinary ditto - - -	10 -	5	-	4	-	-	-	1	-	-	-
Paymasters - - -	12 6	1	-	1	-	1	-	1	-	2	-
Riding Masters - - -	9 -	1	-	1	-	-	-	1	-	-	-
Adjutants - - -	12 8	1	-	1	-	-	-	2	-	3	-
Quartermasters - - -	7 10	1	-	1	-	-	-	1	-	3	-
Field Battery Serjeants Major -	3 9½	10	-	8	-	-	-	2	-	2	-
Ditto, Quartermaster Serjeants	3 9½	10	-	8	-	-	-	2	-	2	-
Serjeant Majors - - -	4 3½	1	-	1	-	1	-	3	-	2	-
Quartermaster Serjeants - - -	3 9½	1	-	1	-	2	-	3	-	2	-
Battery Serjeant Majors - - -	3 4	-	-	-	-	10	-	6	-	6	-
Serjeants - - -	2 10	70	-	56	-	275	-	132	-	48	-
Armourer Serjeants - - -	2 10	10	-	8	-	27	-	5	-	1	-
Hospital Serjeants - - -	2 10	1	-	1	-	-	-	1	-	2	-
Orderly-Room Serjeants - - -	2 10	1	-	1	-	1	-	4	-	2	-
Paymaster Serjeants - - -	2 10	1	-	1	-	1	-	1	-	2	-
Bandmaster - - -	5 8	-	-	-	-	-	-	1	-	-	-
Drum Major - - -	3 9½	-	-	-	-	-	-	1	-	-	-
Staff Farrier and Carriage Smiths	3 8½	-	-	-	-	-	-	1	-	-	-
Staff Collar Makers and Wheelers	3 2½	-	-	-	-	-	-	2	-	-	-
Trumpet Majors - - -	2 10	1	-	1	-	-	-	1	-	2	-
Musicians - - -	1 5½	-	-	-	-	-	-	20	-	-	-
Trumpeters - - -	1 3½	20	-	16	-	-	-	20	-	-	-
Farriers and Carriage Smiths -	3 2½	10	-	8	-	-	-	3	-	-	-
Serjeant of the Band - - -	3 -½	-	-	-	-	-	-	1	-	-	-
First Corporal ditto - - -	2 4½	-	-	-	-	-	-	1	-	-	-
Second ditto - ditto - - -	2 2½	-	-	-	-	-	-	1	-	-	-
Master Gunners, 1st Class - - -	5 -	-	-	-	-	16	-	-	-	-	-
Ditto - - 2d Class - - -	3 6	-	-	-	-	25	-	-	-	-	-
Ditto - - 3d Class - - -	3 -	-	-	-	-	80	-	-	-	-	-
Corporals - - -	2 2	60	-	48	-	117	-	92	-	48	-
Bombardiers - - -	2 -	60	-	48	-	117	-	92	-	48	-
Shoeing Smiths - - -	2 1½	50	-	40	-	-	-	3	-	12	-
Collar Makers - - -	1 10½	30	-	24	-	-	-	5	-	13	-
Wheelers - - -	1 10½	20	-	16	-	-	-	2	-	-	-
Gunners - - -	1 3½	800	-	640	-	1,040	-	800	-	840	-
Drivers - - -	1 3½	700	-	560	-	-	-	70	-	380	-
		-	63,295 11 3	-	51,289 6 10½	-	-	-	-	-	39,372 9 5½
TOTAL NUMBERS and PAY - -		1,931	64,289 11 3	1,548	52,283 6 10½	1,741	61,984 4 5½	1,314	44,936 8 10½	1,437	51,300 9 5½

Total Pay of Royal Artillery - - - - -	Brought forward - - -	<i>£.</i>	<i>s. d.</i>
Additional Pay - - - - -	-	8,952	-
Good Conduct Pay - - - - -	-	20,416	-
Beer Money - - - - -	-	17,345	-
Command Pay - - - - -	-	4,070	-
Contingent Allowance - - - - -	-	4,800	-
Riding Masters, Rough Riders, and Farriery Allowances	-	2,047	-
Instruction in Gunnery - - - - -	-	1,314	-
Regimental Messes - - - - -	-	3,275	-
Agency (including Horse Brigade and Royal Engineers)	-	4,800	-
Postage and Stationery - - - - -	-	2,395	-
Black Servants' Allowance and Servants' Allowance to Coast Brigade	-	917	-
		<i>£.</i>	719,449 4 10½

Vote 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*

[illegible]

Vote 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

INFANTRY OF THE LINE SERVING IN GREAT BRITAIN AND IRELAND.				INFANTRY OF THE LINE SERVING IN THE COLONIES.				DEPÔTS IN ENGLAND OF INFANTRY REGIMENTS SERVING IN INDIA.			
ESTABLISHMENT.	Nos.	Rate per Diem each.	Amount.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Amount.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Amount.
		s. d.	£. s. d.			s. d.	£. s. d.			s. d.	£. s. d.
Colonel - - -	1	-		Colonel - - -	1	-		Colonel - - -	1	-	
Lieutenant Colonel - - -	1	17		Lieutenant Colonel - - -	1	17		Captains - - -	2	11 7	
Majors - - -	2	16		Majors - - -	2	16		Lieutenants - - -	2	6 6	
Captains - - -	12	11 7		Captains - - -	12	11 7		Ensigns - - -	2	5 3	
Lieutenants - - -	14	6 6		Lieutenants - - -	14	6 6		Colour Sergeants - - -	2	2 6	
Ensigns - - -	10	5 3		Ensigns - - -	10	5 3		Sergeants - - -	8	2 -	
Paymaster - - -	1	12 6		Paymaster - - -	1	12 6		Drummers - - -	4	1 1	
Adjutant - - -	1	10 -		Adjutant - - -	1	10 -		Corporals - - -	10	1 4	
Quartermaster - - -	1	6 6		Quartermaster - - -	1	6 6		Privates - - -	90	1 -	
Surgeon - - -	1	15 -		Surgeon - - -	1	15 -					
Assistant Surgeon - - -	1	10 -		Assistant Surgeon - - -	1	10 -					
Serjeant-Major - - -	1	3 4		Serjeant-Major - - -	1	3 4					
Serjeant Bandmaster - - -	1	3 2		Serjeant Bandmaster - - -	1	3 2					
Quartermaster Serjeant - - -	1	2 8		Quartermaster Serjeant - - -	1	2 8					
Paymaster Serjeant - - -	1	2 -		Paymaster Serjeant - - -	1	2 -					
Armourer Serjeant - - -	1	5 -		Armourer Serjeant - - -	1	5 -					
Hospital Serjeant - - -	1	2 2		Hospital Serjeant - - -	1	2 2					
Colour Sergeants - - -	12	2 6		Colour Sergeants - - -	12	2 6					
Sergeants - - -	36	2 -		Sergeants - - -	38	2 -					
Serjeant Instructor in } Musketry - - - }	1	3 -		Serjeant Instructor in } Musketry - - - }	1	3 -					
Drum Major - - -	1	2 -		Drum Major - - -	1	2 -					
Drummers - - -	24	1 1		Drummers - - -	24	1 1					
Orderly-room Clerk - - -	1	2 -		Orderly-room Clerk - - -	1	2 -					
Corporals - - -	50	1 4		Corporals - - -	50	1 4					
Privates - - -	650	1 -		Privates - - -	700	1 -					
TOTAL NUMBERS and PAY - - }	826		£. 22,912 17 6	TOTAL NUMBERS and PAY - - }	878		£. 23,898 7 6	TOTAL NUMBERS and PAY - - }	121		£. 3,199 16 8
Pay of Colonels for 34 Regiments, at 1,000 l. - - -			34,000 - -	Pay of Colonels for 11 Regiments, at 1,000 l. - - -			11,000 - -	53 Depôts at the above strength, 3,199 l. 16 s. 8 d. - - -			169,591 3 4
Pay of Colonels for 13 Battalions, at 500 l.; viz., 10 1st Battalions, 2 2d Battalions, and 1 4th Batta- lion - - -			6,500 - -	Pay of Colonels for 30 Battalions, at 500 l.; viz., 9 1st Battalions, 20 2d Battalions, and 1 4th Battalion Additional Pay to Colonels appointed before 1854 - - -			15,000 - - 300 - -	Pay of Colonels for 38 Regiments, at 1,000 l. - - -			38,000 - -
7 Battalions of 700 £. s. d. Rank and File, at 22,912 17 6			160,390 2 6	30 Battalions of 800 Rank and File, at 24,810 17 6			744,326 5 -	Pay of Colonels for 15 Battalions, at 500 l.; viz., 8 1st Battalions, 5 2d Battalions, and 2 3d Battalions			7,500 - -
30 Battalions of 750 Rank and File, at 23,825 7 6			714,761 5 -	3 Battalions of 800 Rank and File, and a second Assistant Surgeon for Ser- vice in China - - -			24,993 7 6	Additional Pay to Colonels appoint- ed before 1854 - - -			300 - -
Add 6 Pipers, attached to 3 Batta- lions - - -			406 1 3	2 Battalions of 900 Rank and File, at 26,635 17 6			53,271 15 -				
5 Battalions of 700 Rank and File, at 24,007 17 6			120,039 7 6	5 Battalions of 950 Rank and File, for Service in New Zealand - - -			27,548 7 6				
2 Battalions of 800 Rank and File, at 24,737 17 6			49,475 15 -	1 Battalion of 950 Rank and File, and a second Assistant Surgeon for Ser- vice in Ceylon - -			27,730 17 6				
Add, 6 Pipers attached to one Battalion - 135 7 1			135 7 1								
3 Battalions of 900 Rank and File, at 26,562 17 6			79,088 12 6								
47			£. 1,165,896 10 10	41			£. 1,064,350 17 6				£. 215,391 3 4
Total Pay of Infantry - - - - - Brought forward - - -				£. s. d.							
Command Pay - - - - -											
Additional Pay - - - - -											
Good Conduct Pay - - - - -											
Beer Money - - - - -											
Non-Effective and Contingent Allowance - - - - -											
Musketry Instruction - - - - -											
Regimental Messes and Table Allowance - - - - -											
Agency - - - - -											
Postage and Stationery - - - - -											
Black Servants' Allowance - - - - -											
TOTAL PAY and ALLOWANCES - - -				£. 2,697,138 11 8							

VOTE 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

ARMY HOSPITAL CORPS.				COMMISSARIAT STAFF CORPS.				WEST INDIA REGIMENTS.			
TOTAL CHARGE.				TOTAL CHARGE.				Total Charge of 4 Regiments, consisting of Eight Companies each.			
ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.
		s. d.	£. s. d.			s. d.	£. s. d.			s. d.	£. s. d.
Quartermaster and Adjutant - }	1	13 -	-	Quartermaster -	2	8 -	-	Colonel -	1	-	1,000 -
Serjeants Major -	13	4 2	-	Serjeant Major -	1	5 -	-	Lieutenant Colonels -	2	17 -	-
1st Class Serjeants -	24	3 2	-	Clerks and Storekeepers:				Majors -	2	16 -	-
2d Class Serjeants -	183	2 2	-	1st Class, as Serjeant Major - }	10	4 6	-	Captains -	10	11 7	-
Privates, as Orderlies -	759	1 -	-	2d Class, as Quartermaster Serjeant - }	16	4 -	-	Lieutenants -	20	6 6	-
				3d Class, as Staff Serjeant, 2d Class }	26	3 6	-	Ensigns -	10	5 3	-
				Colour Serjeants -	5	3 2	-	Paymaster -	1	12 6	-
				Serjeants -	44	2 4	-	Adjutant -	1	10 -	-
				Buglers -	10	1 3	-	Quartermaster -	1	6 6	-
				Corporal -	44	1 7½	-	Serjeant Major -	1	3 8	-
				2d Corporal -	44	1 6	-	Quartermaster Serjeant - }	1	3 2	-
				Privates -	400	1 3	-	Bandmaster -	1	3 2	-
								Paymaster Serjeant -	1	3 -	-
								Armourer Serjeant -	2	5 -	-
								Hospital Serjeant -	1	3 -	-
								Orderly-room Clerk -	1	3 -	-
								Company Serjeants -	10	3 -	-
								Serjeant Instructor of Musketry - }	1	3 6	-
								Serjeants -	32	2 -	-
								Drum Major -	1	2 -	-
								Drummers -	16	1 1	-
								Corporals -	40	1 4	-
								Privates -	710	1 -	-
TOTAL NUMBERS and PAY - }	980	-	23,700 13 4	TOTAL NUMBERS and PAY - }	602	-	18,158 7 6	TOTAL NUMBERS and PAY - }	866	-	23,770 12 6
											24,770 12 6
								Two Regiments at the above strength			49,541 5 -
								Two Regiments, with two additional Lieutenants each - }			50,490 5 -
								Additional Pay to 100 Rank and File for one Regiment, at 3¼ d. per diem }			494 5 5
											100,525 15 5
								Less Armourer Serjeant for one Regiment - }			91 5 -
											100,617 - 5
Additional Pay -	-	-	10 - -	Additional Pay -	-	-	52 - -	Additional Pay -	-	-	465 - -
Good Conduct Pay -	-	-	500 - -	Good Conduct Pay -	-	-	700 - -	Good Conduct Pay -	-	-	2,608 - -
Beer Money -	-	-	-	Beer Money -	-	-	500 - -	Beer Money -	-	-	-
Allowance in aid of Regimental Messes - }	-	-	-	Allowance in aid of Regimental Messes - }	-	-	-	Allowance in aid of Regimental Messes - }	-	-	1,800 - -
Agency -	-	-	-	Agency -	-	-	-	Agency -	-	-	580 - -
Regimental Postage and Stationery -	-	-	-	Servants' Allowance -	-	-	18 - -	Regimental Postage and Stationery -	-	-	192 - -
Contingent Allowances -	-	-	420 - -	Regimental Postage and Stationery -	-	-	-	Contingent and Non-Effective Allowance - }	-	-	1,200 - -
				Contingent Allowance -	-	-	219 - -	Instruction in Musketry and Gunnery - }	-	-	236 - -
				Command Pay -	-	-	91 - -	Command Pay -	-	-	220 - -
				Instruction in Musketry -	-	-	46 - -				
TOTAL PAY and ALLOWANCES - £.			24,630 13 4	TOTAL PAY and ALLOWANCES - £.			19,784 7 6	TOTAL PAY and ALLOWANCES - £.			107,918 - 5

VOTE 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—continued.

CEYLON RIFLE REGIMENT.				CAPE MOUNTED RIFLES.			
Total Charge of the Regiment.				Total Charge of the Regiment, consisting of Six Companies.			
ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.	ESTABLISHMENT	Nos.	Rate per Diem each.	Total per Annum.
		s. d.	£. s. d.			s. d.	£. s. d.
Lieutenant Colonel - - - -	1	17 -		Lieutenant Colonel - - - -	1	17 -	
Majors - - - - -	2	16 -		Majors - - - - -	1	16 -	
Captains - - - - -	14	11 7		Captains - - - - -	6	11 7	
Lieutenants - - - - -	14	6 6		Lieutenants - - - - -	6	6 6	
Ensigns - - - - -	14	5 3		Ensigns - - - - -	6	5 3	
Paymaster - - - - -	1	12 6		Paymaster - - - - -	1	12 6	
Adjutant - - - - -	1	6 6		Adjutant - - - - -	1	10 -	
Quartermaster - - - - -	1	6 6		Quartermaster - - - - -	1	6 6	
Surgeon - - - - -	1	15 -		Riding Master - - - - -	1	9 -	
Assistant Surgeons - - - - -	2	10 -		Surgeon - - - - -	1	15 -	
Subadars - - - - -	14	2 10		Assistant Surgeon - - - - -	1	10 -	
Jemadars - - - - -	14	1 11		Veterinary Surgeon - - - - -	2	10 -	
Serjeant Major - - - - -	1	3 8		Serjeant Major - - - - -	1	3 2	
Quartermaster Serjeant - - - -	1	2 9		Quartermaster Serjeant - - - -	1	2 8	
Paymaster's Clerk - - - - -	1	2 -		Paymaster Serjeant - - - - -	1	2 -	
Serjeant Tailor - - - - -	1	1 5		Armourer Serjeant - - - - -	1	2 -	
Armourer Serjeant - - - - -	1	5 -		Farrier Major - - - - -	1	3 4	
Hospital Serjeant - - - - -	1	1 5		Farriers - - - - -	6	2 3	
Orderly-room Clerk - - - - -	1	1 11		Saddler Serjeant - - - - -	1	2 2	
Company Serjeants - - - - -	14	1 8		Hospital Serjeant - - - - -	1	2 2	
Serjeant Instructor of Musketry -	1	3 -		Orderly-room Clerk - - - - -	1	2 -	
Serjeants - - - - -	42	1 5		Colour Serjeants - - - - -	6	2 6	
Bugle Major - - - - -	1	2 -		Serjeants - - - - -	18	2 -	
Buglers - - - - -	28	- 11½		Bugle Major - - - - -	1	2 -	
Bandmaster - - - - -	1	3 2		Buglers - - - - -	12	1 1	
Serjeant Major (Native Company) -	1	1 11		Instructor of Musketry - - - -	1	3 -	
Corporals - - - - -	58	1 -½		Corporals - - - - -	24	1 4	
Privates - - - - -	1,142	- 11		Shoeing Smiths - - - - -	6	1 8	
Boys - - (80) - - - - -	-	- 5½		Privates - - - - -	444	1 -	
TOTAL NUMBERS and PAY - - -	1,374	- -	32,567 2 6	TOTAL NUMBERS and PAY - - -	554	- -	15,403 - -
Additional Pay - - - - -	-	-	441 - 10	Additional Pay - - - - -	-	-	200 - -
Good Conduct Pay - - - - -	-	-	2,728 7 6	Good Conduct Pay - - - - -	-	-	1,000 - -
Beer Money - - - - -	-	-	-	Allowance in aid of Regimental Messes	-	-	-
Allowance in aid of Regimental Messes	-	-	-	Contingent and Non-Effective Allowance	-	-	368 10 -
Contingent and Non-Effective Allowance	-	-	638 - -	Agency - - - - -	-	-	124 - -
Agency - - - - -	-	-	31 - -	Regimental Postage and Stationery	-	-	36 - -
Regimental Postage and Stationery	-	-	70 - -	Command Pay - - - - -	-	-	54 15 -
Command Pay - - - - -	-	-	54 15 -	Servants' Allowance - - - - -	-	-	711 15 6
Instruction in Musketry - - - - -	-	-	45 12 6	Instruction in Musketry - - - - -	-	-	45 12 6
				Rough Rider's Allowance - - - -	-	-	42 - -
TOTAL PAY and ALLOWANCES - - - £.	-	-	36,575 18 4	TOTAL PAY and ALLOWANCES - - - £.	-	-	17,985 13 -

VOTE 1.—Appendix, No. 3.—REGIMENTAL PAY, ALLOWANCES, AND CHARGES—*continued.*ROYAL MALTA
FENCIBLE ARTILLERY.ROYAL CANADIAN
RIFLES.

TOTAL CHARGE.

ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.	ESTABLISHMENT.	Nos.	Rate per Diem each.	Total per Annum.
		<i>s. d.</i>	<i>£. s. d.</i>			<i>s. d.</i>	<i>£. s. d.</i>
Lieutenant Colonel - - - -	1	17 -		Lieutenant Colonels - - - -	2	17 -	
Ditto, on Major's Pay - - -	1	16 -		Majors - - - - -	2	16 -	
Captains - - - - -	6	11 7		Captains - - - - -	14	11 7	
Lieutenants - - - - -	6	6 6		Lieutenants - - - - -	16	6 6	
Ditto, Ensign's Pay - - - -	6	5 3		Ensigns - - - - -	12	5 3	
Paymaster - - - - -	1	12 6		Paymaster - - - - -	1	12 6	
Adjutant - - - - -	1	10 -		Adjutant - - - - -	1	10 -	
Quartermaster - - - - -	1	6 6		Quartermaster - - - - -	1	6 6	
Surgeon - - - - -	1	15 -		Surgeon - - - - -	1	15 -	
Assistant Surgeon - - - - -	1	10 -		Assistant Surgeons - - - - -	3	10 -	
Serjeant Major - - - - -	1	2 6½		Serjeant Major - - - - -	1	3 4	
Bandmaster Serjeant - - - -	1	3 2		Quartermaster Serjeant - - - -	1	2 10	
Quartermaster Serjeant - - - -	1	2 3½		Paymaster Serjeant - - - - -	1	2 2	
Paymaster Serjeant - - - - -	1	1 7		Hospital Serjeant - - - - -	1	2 2	
Armourer Serjeant - - - - -	1	1 7		Armourer Serjeant - - - - -	1	5 -	
Hospital Serjeant - - - - -	1	1 9		Orderly-room Serjeant - - - -	1	2 2	
Orderly-room Clerk - - - - -	1	1 7		Serjeant Instructor of Musketry -	1	3 -	
Battery Serjeant Majors - - - -	6	1 11		Colour Serjeants - - - - -	14	2 8	
Serjeants - - - - -	24	1 7		Serjeants - - - - -	46	2 2	
Trumpet Major - - - - -	1	1 7		Drum Major - - - - -	1	2 2	
Trumpeters - - - - -	12	1 -½		Drummers - - - - -	28	1 2	
Corporals - - - - -	15	1 2½		Bandmaster - - - - -	1	3 2	
Bombardiers - - - - -	15	1 -		Corporals - - - - -	60	1 5	
Gunners - - - - -	534	- 11		Privates - - - - -	1,140	1 1	
TOTAL NUMBERS and PAY - -	639	- -	15,106 1 1¾	TOTAL NUMBERS and PAY - -	1,350	- -	36,223 4 2
Command Pay - - - - -			54 15 -	Additional Pay - - - - -			428 - -
Additional Pay - - - - -			64 - -	Good Conduct Pay - - - - -			3,293 6 8
Good Conduct Pay - - - - -			1,872 2 11	Beer Money - - - - -			- - -
Contingent and Non-Effective Allowance - - - - -			160 - -	Allowance in aid of Regimental Messes - - - - -			511 - -
Agency - - - - -			11 - -	Contingent and Non-Effective Allowance - - - - -			150 - -
Regimental Postage and Stationery - - - - -			36 - -	Agency - - - - -			98 - -
Instruction in Gunnery - - - - -			82 2 6	Regimental Postage and Stationery - - - - -			54 15 -
				Command Pay - - - - -			45 12 6
				Instruction in Musketry - - - - -			
TOTAL PAY and ALLOWANCES - - - - £.			17,386 1 6¾	TOTAL PAY and ALLOWANCES - - - - £.			40,803 18 4

Vote. 2.

APPENDIX, No. 4.

COMMISSARIAT SUPPLIES.

DETAIL of the Charge for PROVISIONS and FORAGE at the undermentioned Stations, and the Amount of Deductions on Account of Rations from the Pay of Officers and Men, for the Year ending 31 March 1866.

STATIONS.	PROVISIONS.						FORAGE.	
	COST.		Amount of Stoppages.		Net Cost after deducting Stoppages.		COST.	
	1865/66.	1864/65.	1865/66.	1864/65.	1865/66.	1864/65.	1865/66.	1864/65.
	£.	£.	£.	£.	£.	£.	£.	£.
At Home - - -	589,029	606,890	504,176	526,212	84,853	80,678	300,000	301,774
Africa, Western Coast of :								
Sierra Leone - -	6,261	5,174	2,815	1,996	3,446	3,178	1,460	1,277
Gambia - - -	4,361	4,935	1,748	1,702	2,613	3,233	821	903
Gold Coast - - -	12,719	12,000	3,222	3,440	9,497	8,560	1,761	228
Lagos - - - -	5,108	3,373	1,517	1,063	3,591	2,310	164	328
Australian Colonies :								
Victoria, New South								
Wales, Queensland,	5,245	1,227	2,621	405	2,614	822	1,153	800
and South Australia -	—	—	—	—	—	—	—	—
Western Australia -	—	—	—	—	—	—	—	—
Tasmania - - -	421	705	205	342	216	363	383	383
New Zealand - - -	116,699	210,234	23,901	55,183	92,798	155,051	40,000	103,325
Bermuda - - - -	22,600	22,153	6,468	6,468	16,132	15,685	1,196	1,196
Canada - - - -	59,015	64,306	48,543	51,080	10,472	13,226	12,722	14,892
Cape of Good Hope -	49,783	56,520	20,523	20,760	29,260	35,760	20,928	25,000
Natal - - - -	9,181	9,915	2,875	2,978	6,306	6,937	3,400	4,912
China - - - -	45,103	63,314	19,094	23,994	26,009	39,320	1,190	669
Gibraltar - - - -	55,008	65,000	28,398	41,390	26,610	23,610	3,684	4,401
Ionian Islands - - -	—	7,000	—	4,630	—	2,370	—	—
Jamaica - - - -	24,016	16,639	10,114	7,717	13,902	8,922	2,742	2,555
Bahamas - - - -	7,883	8,090	2,451	2,482	5,432	5,608	810	843
Honduras - - - -	4,852	5,374	1,608	1,642	3,244	3,732	613	543
Mauritius - - - -	18,805	21,734	9,586	9,852	9,219	11,882	468	529
Malta - - - -	74,102	78,447	44,915	46,970	29,187	31,477	877	2,666
Nova Scotia - - - -	23,232	22,727	16,277	17,520	6,955	5,207	429	3,723
Newfoundland - - -	4,505	4,644	1,736	1,775	2,769	2,869	213	268
St. Helena - - - -	8,511	13,603	2,134	3,210	6,377	10,393	1,095	1,480
Windward and Leeward Islands.	28,689	40,175	9,146	11,067	19,543	29,108	4,789	3,832
TOTALS - - - £.	1,175,128	1,344,179	764,083	843,878	411,045	500,301	406,896	476,527

Vote 3.

APPENDIX, No. 5.

STATEMENT, showing in detail the Cost of CLOTHING the NON-COMMISSIONED OFFICERS and MEN of the several Arms of the Service for the Year 1865-66.

C O R P S.	Approximate Rate, per Man.			1865-66.	1864-65.
	Staff Serjeants.	Serjeants.	Rank and File.	Total each Arm of the Service.	Total each Arm of the Service.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Life Guards and Horse Guards -	-	See Vote 3	-	10,470 - -	10,470 - -
Royal Horse Artillery - - -	10 6 5	8 10 -	4 7 2	8,663 19 2	8,062 6 2
Riding Establishment - - -	-	8 10 -	4 7 2	1,003 19 2	933 4 8
Cavalry of the Line - - -	10 10 3	5 8 5	4 19 10	47,602 11 4	44,949 - -
Royal Artillery - - -	7 16 9	5 11 2	3 18 11	67,541 16 4	64,071 - 3
Royal Engineers - - -	9 10 5	6 14 7	4 9 1	17,833 5 6	15,586 7 2
Ditto, Mounted Troop - - -	9 10 5	7 11 9	5 10 8	2,696 - 6	2,559 8 5
Military Train - - -	7 16 10	4 11 -	4 4 7	7,446 18 4	6,551 12 8
Foot Guards - - -	14 13 9	7 8 8	4 7 7	26,639 11 8	24,824 15 8
Infantry of the Line - - -	6 4 6	3 9 6	3 3 9	245,182 9 -	212,293 10 4
Army Hospital Corps - - -	6 6 4	4 3 2	3 4 3	3,362 17 1	3,014 15 11 $\frac{3}{4}$
Commissariat Staff - - -	6 12 4	3 8 3	3 4 9	2,016 11 5	1,899 1 8 $\frac{1}{2}$
West India Regiments - - -	8 1 1	3 5 1	3 1 -	10,083 2 11	12,950 - 4 $\frac{1}{2}$
Colonial Corps - - -	6 12 7	4 6 2	3 11 4	14,098 9 2	11,358 8 3 $\frac{1}{2}$
Recruiting Districts - - - }				3,933 17 6	7,287 2 -
Garrison and Miscellaneous Corps }					
TOTAL - - - £.				468,575 9 1	427,710 13 8 $\frac{1}{4}$
Materials for, and Cost of making, Great Coats and Cloaks - - -				30,000 - -	58,000 - -
Cost of Leggings - - -				-	
Ditto - ditto Gloves - - -				4,194 9 -	2,076 13 4
Net Cost of Necessaries, after deducting the value of those issued to the Troops on repayment - - -				35,676 - -	42,775 - -
TOTAL for Supplies of Clothing and Necessaries - - -				538,445 18 1	530,562 7 - $\frac{1}{4}$
Deduct estimated value of Materials in store, and Clothing at the Regiments available for 1865-6 - - -				17,807 18 1	-
TOTAL - - - £.				520,638 - -	-

Vote 6.

APPENDIX, No. 6.

ABSTRACT of the MILITARY PRISON ESTIMATES, 1865-66.

	Governors.		Medical Officers.		Chaplains.		Chief Warders.		Senior Warders.		Assistant Warders and Servants.		Temporary Warders and Servants.		Rents, Rates, &c.	Travelling Expenses.	Contingencies.	Stores.	Clothing.
	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.					
AT HOME:																			
Aldershot - - -	1	£. 450	1	£. s. 91 5	1	£. 200	1	£. 126	6	£. 468	38	£. 1,804	6	£. 164	£.	£. 10	£. 28	£. 560	£. 1,532
Limerick - - -	-	-	-	-	-	-	1	£. 114	3	£. 205	10	£. 434	1	£. 27	-	-	£. 41	£. 119	£. 337
Cork - - -	1	£. 350	1	£. s. 91 5	2	£. 135	1	£. 107	3	£. 207	13	£. 550	-	-	-	-	£. 20	£. 140	£. 395
Devonport - - -	-	-	1	£. s. 91 5	-	-	1	£. 122	2	£. 129	5	£. 221	-	-	£. 15	-	£. 8	£. 41	£. 124
Dublin - - -	1	£. 315	-	-	1	£. 50	1	£. 106	4	£. 278	11	£. 514	-	-	£. 28	-	£. 6	£. 147	£. 413
Fort Clarence - -	1	£. 400	1	£. s. 91 5	1	£. 200	1	£. 117	6	£. 492	21	£. 1,291	-	-	£. 85	-	£. 13	£. 280	£. 781
Gosport - - -	1	£. 350	1	£. s. 91 5	1	£. 200	1	£. 122	4	£. 282	18	£. 893	2	£. 55	£. 4	-	£. 13	£. 196	£. 550
Greenlaw - - -	1	£. 330	1	£. s. 91 5	2	£. 175	1	£. 108	2	£. 143	9	£. 389	-	-	£. 6	£. 3	£. 9	£. 77	£. 227
Southwark - - -	1	£. 285	1	£. s. 91 5	1	£. 35	1	£. 122	4	£. 311	15	£. 782	1	£. 22	-	£. 10	£. 20	£. 133	£. 379
Weedon - - -	1	£. 335	1	£. s. 91 5	2	£. 240	1	£. 98	5	£. 339	14	£. 585	-	-	-	£. 6	£. 36	£. 224	£. 620
Shorncliffe - - -	-	-	-	-	-	-	1	£. 99	1	£. 67	3	£. 74	3	£. 76	-	-	£. 2	£. 49	£. 148
Travelling Expenses of Inspector - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	£. 110	-	-	-
Clothing Contingencies -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	£. 167
TOTAL HOME -	8	£. 2,815	8	£. 730 -	11	£. 1,235	11	£. 1,241	40	£. 2,921	157	£. 7,537	13	£. 344	£. 138	£. 139	£. 196	£. 1,966	£. 5,673
ABROAD:																			
Barbadoes - - -	-	-	-	-	1	£. 20	1	£. 111	1	£. 72	7	£. 275	3	£. 64	-	£. 1	£. 3	£. 84	£. 240
Bermuda - - -	-	-	-	-	-	-	1	£. 102	-	-	4	£. 143	4	£. 97	-	-	£. 23	£. 56	£. 160
Gibraltar - - -	1	£. 400	-	-	-	-	1	£. 108	4	£. 293	10	£. 417	8	£. 189	-	-	£. 129	£. 196	£. 531
Halifax - - -	-	-	-	-	1	£. 73	1	£. 122	1	£. 67	6	£. 293	3	£. 82	-	£. 40	£. 74	£. 119	£. 336
Malta - - -	-	-	-	-	-	-	1	£. 139	3	£. 220	5	£. 281	5	£. 125	-	-	£. 91	£. 105	£. 294
Mauritius - - -	-	-	-	-	-	-	1	£. 122	-	-	1	£. 58	4	£. 109	-	-	-	£. 36	£. 109
Montreal - - -	1	-	-	-	-	-	1	£. 117	-	-	1	£. 9	13	£. 344	£. 150	£. 50	£. 187	£. 70	£. 206
Quebec - - -		£. 390	1	£. s. 91 5	1	£. 73	1	£. 122	2	£. 184	6	£. 285	2	£. 48					
TOTAL ABROAD -	2	£. 790	1	£. s. 91 5	3	£. 166	8	£. 943	11	£. 836	40	£. 1,761	42	£. 1,058	£. 150	£. 91	£. 588	£. 834	£. 2,327
RECAPITULATION:																			
AT HOME - - -	8	£. 2,815	8	£. 730 -	11	£. 1,235	11	£. 1,241	40	£. 2,921	157	£. 7,537	13	£. 344	£. 138	£. 139	£. 196	£. 1,966	£. 5,673
ABROAD - - -	2	£. 790	1	£. s. 91 5	3	£. 166	8	£. 943	11	£. 836	40	£. 1,761	42	£. 1,058	£. 150	£. 91	£. 588	£. 834	£. 2,327
TOTAL - - -	10	£. 3,605	9	£. s. 821 -	14	£. 1,401	19	£. 2,184	51	£. 3,757	197	£. 9,298	55	£. 1,402	£. 288	£. 230	£. 784	£. 2,800	£. 8,000

Vote 12.

APPENDIX, No. 7.

DETAIL of the CHARGE for the ESTABLISHMENTS of the MANUFACTURING DEPARTMENTS, and for the MATERIALS, &c. for the Manufacture of WARLIKE STORES, from the 1st April 1865 to 31st March 1866.

ROYAL CARRIAGE DEPARTMENT.				TOTAL.	ROYAL CARRIAGE DEPARTMENT—continued.				TOTAL.
ESTABLISHMENT :				£.					£.
1 Superintendent	Regimental pay - -	£. 327	s. d. - -	*845	Brought forward - - -				193,328
	Extra pay -	500	- -		MISCELLANEOUS CHARGES :				£.
	Servant's Allowance 18	- -	- -		Departmental School for Drawing	-	52		
1 Assistant Superintendent, in addition to regimental pay -	Extra pay -	200	- -	*218	Fuel for Offices	-	60		
	Servant's Allowance 18	- -	- -		Travelling and Miscellaneous Expenses of the Department	-	750		862
1 Principal Clerk	Pay - -	480	- -	532	TOTAL - - - £.				194,190
	Lodging Allowance 52	- -	- -		ROYAL GUN FACTORIES.				
2 Clerks, 1st Class	-	-	-	905	ESTABLISHMENT :				
4 Ditto, 2d Class	-	-	-	973	1 Superintendent	Regimental pay - -	£. 327	s. d. - -	845
5 Ditto, 3d Class	-	-	-	647		Extra pay -	500	- -	
3 Military Clerks	-	-	-	369		Servant's Allowance 18	- -	- -	
1 First Constructor	-	-	-	380	1 Assistant Superintendent and Inspector of machinery	Pay - -	1,000	- -	1,200
1 Second Constructor	-	-	-	325		Lodging Allowance 200	- -	- -	
1 Assistant Constructor	-	-	-	210	1 Manager and Assistant Inspector of Machinery	-	-	-	400
1 Timber Master	-	-	-	210	1 Principal Clerk	-	-	-	460
1 Engineer	-	-	-	200	3 Clerks, 1st Class	-	-	-	1,030
1 Draughtsman	-	-	-	200	4 Ditto, 2d Class	-	-	-	880
50 Writers -	-	-	-	2,990	4 Ditto, 3d Class	-	-	-	460
				9,004	2 Military Clerks	-	-	-	240
ESTABLISHMENT FOR INSTRUCTION :					2 Temporary Clerks	-	-	-	280
1 Captain Instructor -	Regimental pay - -	£. 221	s. d. - -	439	24 Writers -	-	-	-	1,820
	Extra pay -	200	- -		1 Draughtsman	-	-	-	200
	Servant's Allowance 18	- -	- -		9 Assistant Draughtsmen	-	-	-	813
Wages -	-	-	-	134					8,628
WAGES of Foremen, Viewers, Artificers, Labourers and others -	-	-	-	103,845	ESTABLISHMENT FOR INSTRUCTION :				
				573	1 Captain Instructor -	-	-	-	250
				103,845	Wages -	-	-	-	150
MATERIALS :					WAGES of Foremen, Viewers, Artificers, and others -	-	-	-	111,447
Timber -	-	-	-	22,812					400
Fuel -	-	-	-	5,940	MATERIALS :				
Metals -	-	-	-	17,113	Timber -	-	-	-	500
Miscellaneous Stores -	-	-	-	24,594	Fuel -	-	-	-	19,500
				70,459	Metals -	-	-	-	69,556
MACHINERY :					Miscellaneous Stores	-	-	-	4,000
For the Purchase and Repair of Machinery -	-	-	-	5,000					93,556
				5,000	Carried forward - - - £.				214,031
BUILDINGS :									
New Works, and Additions amounting to less than 1,000 l. each -	-	-	-	1,962					
				1,962					
Maintenance of Buildings :									
Ordinary and current Repairs -	-	-	-	2,485					
				2,485					
Carried forward - - - £.				193,328					

* These officers have quarters assigned them also.

VOTE 12.—Appendix, No. 5.—DETAIL of the Charge for the Establishments of the Manufacturing Departments, &c.—*continued.*

ROYAL GUN FACTORIES— <i>continued.</i>			TOTAL.	ROYAL LABORATORY— <i>continued.</i>			TOTAL.
			£.				£.
Brought forward - - -			214,031	Brought forward - - -			8,868
MACHINERY:	£.			WAGES of Foremen, Viewers, Artificers, } Labourers and others - - -	£.	131,254	
For the purchase and repair of Ma- } chinery - - - - -	7,000						131,254
			7,000	MATERIALS:			
BUILDINGS:				Timber - - - - -	3,000		
New Works and Additions:				Fuel - - - - -	6,000		
Raising Walls of Old Turnery and pro- } viding new Roof:				Metals - - - - -	92,264		
Total Estimated Cost - - -	2,000			Miscellaneous Stores - - - -	44,145		145,409
Amount already Voted - - -				MACHINERY:			
Proposed for 1865/66 - - -	2,000			For the purchase and repair of Ma- } chinery - - - - -	3,600		3,600
New Works and Additions:				BUILDINGS:			
Amounting to less than 1,000 <i>l.</i> each -	3,190		5,190	New Works and Additions:			
Maintenance of Buildings:				Amounting to less than 1,000 <i>l.</i> each -	925		925
Ordinary and Current Repairs - - -	5,840		5,840	Maintenance of Buildings:			
MISCELLANEOUS CHARGES:				Ordinary and current Repairs - - -	2,350		2,350
Expense of Departmental School - - -	13			MISCELLANEOUS CHARGES:			
Fuel for Offices - - - - -	32			Charge for officiating Clergymen for } the Royal Arsenal - - - - -	430		
Travelling and Miscellaneous Expenses } of the Department - - - - -	370			Expense of Departmental School for } Drawing, &c. - - - - -	50		
			415	Travelling and Miscellaneous Expenses } of the Department - - - - -	400		
TOTAL - - - £.			232,476				880
				TOTAL - - - £.			293,286
ROYAL LABORATORY.				CHEMICAL AND PHOTOGRAPHIC			
ESTABLISHMENT:				ESTABLISHMENTS.			
1 Superintendent { Regimental } pay - - - 327 - - } Extra pay - 500 - - } Servant's al- } lowance - 18 - - }		825		1 Chemist - - - - -	700		
1 Assistant Su- { Regimental } perintendent - { pay - - - 221 - - } Extra pay - 200 - - } Servant's al- } lowance - 18 - - }		439		1 Senior Assistant - - - -	330		
1 Principal Clerk - - - - -		480		2 Second Class Assistants - -	500		
3 Clerks, 1st Class - - - - -		1,040		1 Third Class Assistant - - -	160		
2 Ditto, 2d Class - - - - -		450		1 Fourth Class Assistant - -	110		
6 Ditto, 3d Class - - - - -		720		1 Clerk, 3d Class - - - - -	130		
2 Managers - - - - -		800		2 Photographers, Regimental and } Extra pay - - - - -	195		
1 Military Clerk - - - - -		115		3 Non-Commissioned Officers, in ad- } dition to Regimental pay - - }	37		
39 Writers - - - - -		2,595		Lodging Money of Serjeants - -	22		2,184
			7,464	WAGES:			
ESTABLISHMENT FOR INSTRUCTION:				Pay of Pattern Keeper, Messenger, } and others - - - - -	405		405
1 Captain Instruc- { Regimental } tor - - - - { pay - - - 201 - - } Extra pay - 200 - - } Servant's al- } lowance - 18 - - }		419		MATERIALS:			
1 Temporary Instructor - - - -		183		Miscellaneous Stores - - - -	666		666
8 Serjeant Instructors - - - -		802		BUILDINGS:			
			1,404	New Works and Additions:			
Carried forward - - - £.			8,868	Amounting to less than 1,000 <i>l.</i> each -	134		134
				Maintenance of Buildings:			
				Ordinary and current Repairs - - -	70		70
				MISCELLANEOUS CHARGES:			
				Travelling and Miscellaneous Expenses } of the Establishments - - - - }	132		132
				TOTAL - - -			3,591

VOTE 12.—Appendix, No. 5.—DETAIL of the Charge for the Establishments of the Manufacturing Departments, &c.—*continued.*

GAS FACTORY.			TOTAL.	MEDICAL ESTABLISHMENT— <i>continued.</i>			TOTAL.
	£.	£.			£.	£.	
WAGES of Foremen, Labourers and others	3,513	3,513		Brought forward	- - -		1,254
MATERIALS:				BUILDINGS:			
Fuel - - - - -	5,970			New Works and Additions:			
Miscellaneous Stores - - - -	802	6,772		Amounting to less than 1,000 <i>l.</i> each	15		15
MACHINERY - - - - -	900	900		Maintenance of Buildings:			
BUILDINGS:				Ordinary and current Repairs - - -	53		53
New Works and Additions:				MISCELLANEOUS:			
Amounting to less than 1,000 <i>l.</i> each	415	415		Medicines, &c. - - - - -	- - -		200
Maintenance of Buildings:							
Ordinary and current Repairs - - -	1,043	1,043		TOTAL - - -			1,522
TOTAL - - -		12,643					
ROYAL ARSENAL GENERAL SCHOOL.				ROYAL SMALL ARMS ESTABLISHMENTS,			
ESTABLISHMENT:				Enfield, Pimlico, and Birmingham:			
Head Master - - - - -	127			ESTABLISHMENTS:			
1st Assistant Master - - - - -	90			In addition to Regimental Pay:			
2d Assistant Master - - - - -	90			Extra pay - 500 - -			
3d Assistant Master - - - - -	70			Special allowance 300 - -			
Librarian - - - - -	35			Servant's allowance 18 - -			
Porter - - - - -	26	438		Lodging allowance 120 - -			
MISCELLANEOUS:				Forage allowance 43 - -			
Fuel, &c. - - - - -	40			1 Superintendent		981	
Furniture, Materials, &c. - - -	42	82		ENFIELD:			
TOTAL - - -		520		1 Assistant Superintendent		505	
MEDICAL ESTABLISHMENT.				1 Chief Inspector of Small Arms		555	
	£.	s. d.		1 Manager		380	
1 Surgeon	Pay - 402 - -			1 Medical Officer		207	
	Servant's Allowance 18 - -			1 Compounder of Medicines		46	
	Forage Allowance - 33 - -			PIMLICO:			
	Fuel Allowance 18 - -			1 Assistant Superintendent		717	
1 Assistant Surgeon	Pay - 210 - -			1 Medical Officer		146	
	Servant's Allowance 18 - -			BIRMINGHAM:			
	Forage Allowance - 43 - -			1 Assistant Superintendent		639	
	Lodging Allowance 55 - -			1 Second ditto		569	
1 Dispenser - - - - -		155					
1 Cook - - - - -		18					
1 Surgery Man - - - - -		81					
1 Writer - - - - -		90					
2 Orderlies - - - - -		113					
Carried forward - - - £.		1,254		Carried forward - - - £.		4,745	

VOTE 12.—Appendix, No. 5.—DETAIL of the Charge for the Establishments of the Manufacturing Departments, &c.—continued.

			TOTAL.				TOTAL.
			£.				£.
ROYAL SMALL ARMS ESTABLISHMENTS, Enfield, Pimlico, and Birmingham—continued.			4,745	ROYAL GUNPOWDER FACTORY, WALTHAM ABBEY.			
Brought forward - - -			£. -	ESTABLISHMENT:			£.
Expenses connected with Foreign Contracts for Small Arms - - }			400	1 Superintendent (In addition to Regimental Pay.) {	Extra pay - £. 500 - - Servant's allowance 18 - -		† 518
Clerks at the several Establishments:				1 Assistant Superintendent - {	Regimental pay - 301 - - Extra pay - 200 - - Servant's allowance 18 - -		† 519
1 Principal Clerk - - - -			376	1 Clerk, 1st Class, including allowance as Cashier.			390
2 Clerks, 1st Class - - - -			720	1 Clerk, 2d Class {	Pay - 240 - - Allowance in lieu of Quarters 15 - -		255
3 Clerks, 2d Class - - - -			680	1 Clerk, 3d Class - - - -			110
3 Clerks, 3d Class - - - -			380	1 Temporary Clerk - - - -			140
1 Military Clerk - - - -			110	1 Military Clerk - - - -			110
8 Writers - - - -			554	2 Writers - - - -			141
			7,965	1 Master Worker - - - -			220
* WAGES:				1 Master Refiner of Saltpetre - -			200
Pay of Foremen, Viewers, Artificers, and others - - - - }							2,603
Pay of the Corps of Armourer Serjeants:				† WAGES of Foremen, Viewers, Artificers, &c. - - - - }			9,877
1 Staff Serjeant at 7 s. - 109 11 -				Police - - - -			743
40 Armourer Serjeants at 5 s. - - - - 2,967 - -			155,000				743
				MATERIALS:			
* MATERIALS:				Timber - - - -			21
Timber - - - -				† Fuel - - - -			1,900
Fuel - - - -				Metals - - - -			47
Metals - - - -				Miscellaneous Stores - - - -			5,558
Miscellaneous Stores - - - - }							7,526
Charge for Police - - - -			949	MACHINERY:			
			949	For the purchase and repair of Machinery - - - - }			6,100
MACHINERY:							6,100
For the purchase and repair of Machinery - - - - }			2,100	BUILDINGS:			
			2,100	New Works and Additions:			
BUILDINGS:				Purchase of land in Marshes:			
Enfield: New works and additions—				Total estimated cost of the work - - - - }	£. 3,315		
Amounting to less than 1,000 l. each - - - - }			1,624	Amount already Voted - - - -	1,250		
Pimlico: New works and additions—							
Amounting to less than 1,000 l. each - - - - }			25	Proposed for 1865/66 - - - -	2,065		
			1,649	Carried forward - - - -	£. 2,065		26,849
Maintenance of Buildings:							
Enfield:							
Ordinary and current repairs - -			2,910				
Pimlico:							
Ordinary and current repairs - -			300				
			3,210				
MISCELLANEOUS CHARGES:							
Expense of school at Enfield - -			190				
Charge for officiating Clergyman, and Contingencies - - - - }			135				
Gas - - - -			280				
Rents, Taxes, &c. - - - -			416				
Travelling and Miscellaneous Expenses			1,080				
			2,101				
TOTAL - - - - £.			172,974				

* Including 866 l. for coal, &c., and 404 l. for wages, for the manufacture of gas at Enfield.

† These officers have quarters assigned them also.

‡ Including 225 l. for coal, &c., and 70 l. for wages, for the manufacture of gas.

NOTE 12.—Appendix, No. 5.—DETAIL of the Charge for the Establishments of the Manufacturing Departments, &c.—*cont^d*.

			TOTAL.				TOTAL.
ROYAL GUNPOWDER FACTORY, WALTHAM ABBEY			£.	£.	ROYAL LABORATORY, BULL POINT, DEVONPORT.		
—continued.					ESTABLISHMENT :		
Brought forward - - -	£.	2,065	26,849	1 Assistant Super-	Regimental pay - - -	£. s. d.	389
Buildings—continued.				intendent	Extra pay - 150 - -	- - -	
Twelve new Cottages :					Servant's Allowance 18 - -	- - -	
Total estimated cost of the work - - - - -	£.	2,700		1 Temporary Clerk - - - - -			140
Amount already Voted - - -		1,900		4 Writers - - - - -			211
Proposed for 1865/66 - - -		800		ESTABLISHMENT FOR INSTRUCTION :			
New works, &c., amounting to less than 1,000 <i>l.</i> each - - - - -		1,508	4,373	2 Serjeant Instructors, Pay - - -			162
Maintenance of Buildings :				Lodging Allowance - - - - -			22
Ordinary and current Repairs - - -		2,214	2,214	WAGES of Foremen, Viewers, Artificers, } Labourers, &c. - - - - -			
MISCELLANEOUS CHARGES :							6,657
Allowance to the Incumbent - - -		50		MATERIALS :			
Grant to Parish School, &c. - - -		42		Timber - - - - -			35
Rent, Taxes, &c. - - - - -		107		Fuel - - - - -			42
Travelling and Miscellaneous Expenses - - -		500		Miscellaneous - - - - -			582
Lock Tolls on Powder, Stores, &c. - - -		150	849	MISCELLANEOUS CHARGES :			
TOTAL - - - £.		34,285		Allowance to Serjeants in lieu of lodging - - -			22
				Charge for officiating Clergymen and } Pew rents - - - - -			125
				Expense of School - - - - -			168
				Rents and Taxes - - - - -			20
				Fuel and Light for Office, &c. - - -			30
				Travelling and Contingent Charges - - -			167
				TOTAL - - - £.			8,772
ROYAL ORDNANCE FACTORIES, PORTSMOUTH :				DEPARTMENT OF INSPECTOR OF WORKS.			
ESTABLISHMENT :				1 Inspector of Works, in addition to } Regimental Pay - - - - -			400
1 Superintendent of Factories - - -	Regimental pay - - -	£. s. d.	475	2 Clerks of Works, 1st class - - -			1,060
	Extra pay - 200 - -	- - -		1 Ditto 2d class - - -			220
	Servant's Allowance 18 5 -	- - -		2 Ditto 3d class - - -			265
4 Clerks, 3d Class - - - - -			473	2 Clerks, 2d class - - - - -			400
1 Writer, Timekeepers, &c. - - -			68	2 Temporary Clerks and Draughtsmen - - -			265
WAGES of Foremen, Viewers, Labourers, } and others - - - - -			7,952	1 Office keeper - - - - -			55
MATERIALS :				Lodging Allowances to the above Staff - - -			130
Timber - - - - -			1,336	Travelling and Office Expenses - - -			125
Fuel - - - - -			425	BUILDINGS :			
Metals - - - - -			882	New Works and Additions amounting } to less than 1,000 <i>l.</i> each - - -			5
Miscellaneous Stores - - - - -			3,682	Maintenance of Buildings :			
MACHINERY :				Ordinary and Current Repairs - - -			95
For the Purchase and Repair of Machinery - - - - -			50	TOTAL - - - £.			3,020
MISCELLANEOUS CHARGES :							
Expense of School - - - - -			41				
Rents and Taxes - - - - -			7				
Fuel and Light for Offices, &c. - - -			60				
Furniture and Stores - - - - -			80				
Travelling Expenses - - - - -			30				
Miscellaneous - - - - -			60				
TOTAL - - - £.			15,621				

VOTE 13.

APPENDIX, No. 8.

ABSTRACT of the WAGES ESTIMATES of the MILITARY STORE DEPARTMENT, 1865-66.

HOME STATIONS.	Viewers, Foremen, Master Artificers, &c.		Artificers, &c.		Labourers, Boys, &c.		Extra and Miscellaneous Labour.	TOTAL WAGES.
	Nos.	Pay. £.	Nos.	Pay. £.	Nos.	Pay. £.	£.	£.
Alderney - - - - -	-	-	-	-	3	107	255	362
Aldershot - - - - -	2	125	-	-	2	86	427	638
Athlone - - - - -	2	149	1	70	2	55	30	304
Bull Point - - - - -	4	282	-	-	24	960	545	1,787
Carrickfergus - - - - -	-	-	-	-	-	-	19	19
Chatham - - - - -	8	583	15	910	16	622	442	2,557
Chester - - - - -	3	227	-	-	3	123	160	510
Cork Harbour - - - - -	4	290	3	160	7	250	220	920
Curragh - - - - -	1	68	-	-	1	46	22	136
Devonport - - - - -	6	511	15	971	37	1,378	918	3,778
Dover - - - - -	3	203	-	-	7	259	275	737
Dublin - - - - -	9	593	7	489	24	873	773	2,728
Edinburgh - - - - -	4	270	1	70	5	183	266	789
Enniskillen - - - - -	-	-	1	70	1	34	20	124
Fort George - - - - -	-	-	-	-	1	37	178	215
Guernsey - - - - -	1	47	-	-	3	102	30	179
Harwich - - - - -	-	-	-	-	1	47	85	132
Hyde Park - - - - -	Included in Estimate for the Tower.							
Jersey - - - - -	-	-	-	-	4	164	202	366
Limerick - - - - -	-	-	-	-	1	9	20	29
Marchwood - - - - -	1	66	1	63	6	196	150	475
Pembroke Dock - - - - -	1	55	-	-	3	97	200	352
Portsmouth - - - - -	8	554	9	551	42	1,552	579	3,236
Priddy's Hard - - - - -	3	206	-	-	20	725	98	1,029
Purfleet - - - - -	3	235	11	698	22	862	155	1,950
Sheerness - - - - -	1	78	-	-	2	79	125	282
Stirling - - - - -	-	-	-	-	2	91	19	191
Tipner - - - - -	1	16	1	73	4	138	73	306
	acting.							
Tower - - - - -	79	6,505	15	1,128	206	9,009	6,327	22,969
Tynemouth - - - - -	1	55	-	-	2	73	228	356
Upnor - - - - -	2	125	-	-	5	194	430	749
Weedon - - - - -	5	380	4	242	17	615	325	1,562
Woolwich - - - - -	76	6,184	88	4,612	612	24,462	1,550	36,808
TOTAL HOME - - -	228	17,807	172	10,107	1,085	43,428	15,137	86,479

VOTE 13.—APPENDIX, No. 8—*continued.*ABSTRACT of the Wages Estimates of the Military Store Department, 1865-66—*continued.*

FOREIGN STATIONS.	Foremen, Master Artificers, &c.		Artificers, &c.		Labourers, Boys, &c.		Extra and Miscellaneous Labour, Military Working Parties, &c. (including Laboratories).	TOTAL WAGES.
	Nos.	Pay.	Nos.	Pay.	Nos.	Pay.		
		£.		£.		£.	£.	£.
Gambia - - - - -	1	82	-	-	5	108	100	285
Gold Coast - - - - -	1	27	-	-	6	137	100	264
Sierra Leone - - - - -	1	70	1	78	5	93	50	291
Lagos - - - - -	-	-	-	-	-	-	18	18
South Australia - - - - -	-	-	-	-	-	-	-	-
West Australia - - - - -	-	-	-	-	-	-	-	-
Tasmania - - - - -	1	78	-	-	6	406	-	484
New South Wales and Sydney -	2	155	1	10	6	205	40	410
Bahamas - - - - -	1	73	-	-	5	157	93	323
Bermuda - - - - -	2	196	3	257	7	375	420	1,248
Canada - - - - -	7	569	18	1,212	19	826	1,000	3,607
Ceylon - - - - -	4	217	4	117	13	167	500	1,001
Cape - - - - -	11	986	4	313	26	1,369	545	3,213
China - - - - -	12	1,237	15	500	73	1,245	600	3,582
Gibraltar - - - - -	12	891	11	501	34	1,094	1,338	3,824
Jamaica - - - - -	4	368	-	-	1	40	655	1,063
Honduras - - - - -	-	-	-	-	1	31	50	81
Malta - - - - -	14	787	22	683	26	611	2,370	4,451
Mauritius - - - - -	2	128	-	-	8	263	400	791
Newfoundland - - - - -	1	64	-	-	2	85	65	214
Nova Scotia - - - - -	5	403	4	378	11	571	454	1,806
Natal - - - - -	2	243	-	-	1	18	70	331
New Zealand - - - - -	1	173	2	183	2	78	808	1,242
St. Helena - - - - -	1	78	-	-	3	125	210	413
Windward and Leeward Islands -	7	402	-	-	11	339	273	1,014
TOTAL ABROAD - - -	92	7,227	85	4,232	271	8,338	10,159	29,956

RECAPITULATION.

		£.		
Wages of Viewers, Foremen, &c.	-	-	-	17,807
„ of Artificers, &c.	-	-	-	10,107
„ of Labourers, Boys, &c.	-	-	-	43,428
„ for Extra Miscellaneous Labour	-	-	-	15,137
			86,479	Total Wages, Military Store Department, At Home.
Wages of Foremen, Master Artificers, &c.	-	-	-	7,227
„ of Artificers, &c.	-	-	-	4,232
„ of Labourers, Boys, &c.	-	-	-	8,338
„ for Extra and Miscellaneous Labour, &c.	-	-	-	10,159
			29,956	Total Wages, Military Store Department, Abroad.
		£.	116,435	TOTAL WAGES, MILITARY STORE DEPARTMENT.

ARMY ESTIMATES
OF
EFFECTIVE AND NON-EFFECTIVE
SERVICES,
FOR 1865-66.

(Presented to Parliament by Her Majesty's Command.)

*Ordered, by The House of Commons, to be Printed,
17 February 1865.*

[Price 1s. 6d.]

60.

Under 16 oz.

ARMY ESTIMATES, 1865-66.

STATEMENT showing the VARIATION of the NUMBERS of HER MAJESTY'S
BRITISH FORCES;

AND

EXPLANATIONS of the DIFFERENCES between the AMOUNTS PROPOSED in
the ARMY ESTIMATES for EFFECTIVE SERVICES for 1865-66, and the
AMOUNTS VOTED for EFFECTIVE SERVICES for 1864-65.

(PRESENTED TO PARLIAMENT BY HER MAJESTY'S COMMAND.)

Ordered, by The House of Commons, to be Printed,
17 February 1865.

EXPLANATIONS of the DIFFERENCES between the ESTIMATES 1864-65 and 1865-66.

		Increase.	Decrease.
VOTE 1.		£.	£.
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES, AND CHARGES.			
	£.		
	Amount Required for 1865-66 - - - 5,434,567		
	Amount Voted for 1864-65 - - - 5,708,983		
		- -	274,416
GENERAL STAFF PAY, &c.	- - - - -	- -	5,974
	The saving is caused by the reduction of the following Staff Appointments:—Inspector General of Infantry and his Staff, Assistant Adjutant General of Cavalry, Assistant Quartermaster Generals in the Northern District and at Shorncliffe, &c., &c., and the transfer of the Charge for Allowances in China, to Vote 2.		
REGIMENTAL PAY AND ALLOWANCES.	The reduction in the number of the Forces, as detailed on the opposite page, explains this decrease. The special Allowances in China have been transferred from Vote 1 to Vote 2 - - - - -	- -	136,988
NATIVE INDIAN TROOPS -	The Native Indian Troops will be withdrawn from China -	- -	44,500
DEPÔT ESTABLISHMENTS -	The amalgamation of the Cavalry Depôts at Canterbury and Maidstone, and the reduction of seven Depôts Battalions by making the Depôts of Regiments serving at Home join the Service Companies, cause this decrease -	- -	28,780
RECRUITING ESTABLISHMENTS, LEVY MONEY, &c.	The amount Voted under this head for 1864-5, included the estimated cost of the pay of Recruits raised for service in India during their passage out; this has been now transferred to the charge for Indian Depôts. The sum included for the pay of Pensioners employed on Recruiting Service is shown separately from Levy Money for the first time - - - - -	- -	22,521
PURCHASE OF HORSES, &c.	The number of Horses for 1865-6 is 880 less than for 1864-5 - - - - -	- -	29,118
INSTRUCTION IN MUSKETRY	The new regulations under which the Marksman's Badge is now obtained being a severer test of shooting than the former test, give rise to this estimated saving - - -	- -	2,000
MISCELLANEOUS - -	The Allowances granted to Quartermasters and the cost of the employment of Punkah Coolies in China, more than absorbs the reductions which have been effected on the other items of expenditure, which are, for the most part, calculated upon the average of charge for previous years -	1,350	

			Increase.	Decrease.
VOTE 2.			£.	£.
COMMISSARIAT ESTABLISHMENT, SERVICES, AND MOVEMENT OF TROOPS.				
			£.	
Amount Required for 1865-66 - - -			1,205,800	
Amount Voted for 1864-65 - - -			*1,319,047	
* This is the amount as actually voted, being less by 33,000 £. than the original Estimate.			- - -	113,247
COMMISSARIAT STA	-	The special allowances in China being transferred from the item "Pay of Staff" to "Consolidated Allowances," is the cause of this decrease - - - - -	- - -	3,755
PROVISIONS, &c.	-	The contemplated withdrawal of a large body of Troops from New Zealand and China, together with the decrease in prices at the Cape and elsewhere, causes this reduction -	- - -	89,256
ALLOWANCES TO WIVES & CHILDREN OF SOLDIERS SERVING ABROAD	-	There are now very few Wives and Children of Soldiers in receipt of these Allowances - - - - -	- - -	3,600
ALLOWANCES FOR HIGH PRICE OF PROVISIONS.	-	The Consolidated Allowances issued at the Mauritius, hitherto voted under this head, have been transferred to another item of the Vote, but the decrease has been partly absorbed by an allowance granted to the Europeans on the West Coast of Africa - - - - -	- - -	1,700
FORAGE - - - -	-	The withdrawal of Troops from New Zealand, and the reduction of price at several foreign stations, give rise to this saving. The reduced number of horses to be foraged for the year 1865-66 more than counterbalances the enhanced price of Forage at Home - - - - -	- - -	69,629
PAY OF LABOURERS	-	A reduction in the expenditure in New Zealand is contemplated - - - - -	- - -	1,600
CONSOLIDATED ALLOWANCES.	-	The full charge for these Allowances in Ceylon and Mauritius is now, for the first time, borne on the Army Estimates, they having been, previously to 1 January 1865, issued at the charge of the Colonial Revenues. These Colonies now pay an increased contribution to the Imperial Government, which is credited to the Exchequer as an Extra Receipt. The Allowances in China have hitherto been voted with the pay of the Officers and Men serving in that command - - - - -	90,250	
MOVEMENT OF TROOPS	-	This Estimate has been based upon the expenditure of past years; and some saving is expected to accrue in consequence of the Depot Companies of Regiments at Home having rejoined the Service Companies, by which interchanges of Officers and transfers of Men will be avoided -	- - -	15,000
COMMISSARIAT TRANSPORT	-	A reduction has been effected in Canada, Gold Coast, and the Cape - - - - -	- - -	18,956
VOTE 3.				
CLOTHING ESTABLISHMENTS AND SUPPLIES.				
			£.	
Amount Required for 1865-66 - - -			574,256	
Amount Voted for 1864-65 - - -			596,694	
			- - -	22,438
SUPPLIES AND FACTORY CHARGES.	-	The Reduction in the Force to be maintained during 1865-66 and the amount of the stock on hand, are the causes of this, diminution - - - - -	- - -	23,624

VOTE 4.		Increase.	Decrease.
BARRACK ESTABLISHMENT, SERVICES, AND SUPPLIES.		£.	£.
	Amount Required for 1865-66 - - - - £. 609,900 Amount Voted for 1864-65 - - - - 611,165		1,265
BARRACK ESTABLISHMENT	This increase is owing to members of the Barrack Establishment being employed upon the clerical duties at the War Office, hitherto performed by War Office Clerks, by which a saving of 1,078 l. will be effected - - - -	1,415	
BARRACK FURNITURE AND SUPPLIES.	The reduction in the number of Troops causes a decrease in the demand for Barrack Stores, &c. - - - -	-	6,100
FUEL AND LIGHT - -	The reduced force, together with the increase in the numbers of Trained Serjeant Cooks employed, causing much economy in the expenditure of Fuel, is the cause of this reduction - - - -	-	12,000
LODGING MONEY - -	The reduced force, and a more economical distribution of Officers and Men in the barracks, give rise to the saving here effected - - - -	-	4,200
RENTS AND SUPPLY OF WATER.	The charge for rent of Commissariat, Store, and Engineer premises has been transferred to this Vote from the Votes for these services respectively, being under the Superintendence of the Barrack Department - - - -	18,000	
VOTE 5.			
DIVINE SERVICE.			
	Amount Required for 1865-66 - - - - £. 44,335 Amount Voted for 1864-65 - - - - 45,433		1,098
PAY OF STAFF CHAPLAINS AND OFFICIATING CLERGYMEN.	A small reduction has been effected under both these heads of expenditure.		
VOTE 6.			
ADMINISTRATION OF MARTIAL LAW.			
	Amount Required for 1865-66 - - - - £. 26,300 Amount Voted for 1864-65 - - - - 40,549		14,249
MILITARY PRISONS, &c. -	The increase of Expenditure proposed for Rewards for apprehending Deserters, Subsistence, Clothing, and Stores, is met by an increased deduction for the pay, &c., of men in confinement, the amount actually realised having been found to be much in excess of that estimated for previous years. The full charge for Stores and Clothing is for the first time borne by this Vote.		
VOTE 7.			
MEDICAL ESTABLISHMENTS, SERVICES, AND SUPPLIES.			
	Amount Required for 1865-66 - - - - £. 246,544 Amount Voted for 1864-65 - - - - *262,216		15,672
MEDICAL SERVICES:			
STAFF - - - -	The special allowances in China, hitherto included with the pay of the Staff, has been transferred to Vote 2. A saving is also contemplated for Travelling Expenses and Servants' Allowance abroad - - - -	-	6,228
PURCHASE OF MEDICINES, &c.	This decrease is due to the fact that the great demand for Medicines at New Zealand is diminished, and that that for the Gold Coast no longer exists - - - -	-	3,500

		Increase.	Decrease.
VOTE 7—continued.		£.	£.
MEDICAL ESTABLISHMENTS, SERVICES, AND SUPPLIES—continued.			
PURVEYING SERVICES :			
WAGES, HOSPITAL STORES, FUEL, AND LIGHT, &c.	The reduction in the number of Troops, and more economical } arrangements as regards the distribution of Stores and } consumption of Fuel, cause this saving - - - - }	- -	4,250
VOTE 8.			
DISEMBODIED MILITIA.			
£. Amount Required for 1865-66 - - - - 786,400 Amount Voted for 1864-65 - - - - 783,783 		2,617	
DISEMBODIED MILITIA -	The period of training for 1865-6 has been increased from 21 to 27 days, the increased charge for which is in great measure met by the reductions effected in the numbers of the large Corps.		
VOTE 9.			
YEOMANRY CAVALRY.			
£. Amount Proposed for 1865-66 - - - - 91,000 Amount Provided for 1864-65 - - - - *87,086 		3,914	
* This amount includes the Supplementary Estimate subsequently presented. This Estimate is based on the numbers of Men who came up for Training and Exercise last year.			
VOTE 10.			
VOLUNTEER CORPS.			
£. Amount Proposed for 1865-66 - - - - 334,900 Amount Provided for 1864-65 - - - - 328,260 		6,640	
Various reductions have been effected in the Staff expenses; but, on the other hand, the numbers of "Efficients," and those entitled to the Capitation Rate for Musketry Practice, have considerably increased.			
VOTE 11.			
ENROLLED PENSIONERS AND ARMY RESERVE FORCE.			
£. Amount Proposed for 1865-66 - - - - 46,000 Amount Provided for 1864-65 - - - - 49,580 			3,580
The numbers of the Enrolled Pensioners are gradually falling off; but the Army Reserve Force, however, maintains its position and is gradually increasing; but the amount taken last year for their pay was slightly in excess of the requirements of the Corps.			

		Increase.	Decrease.
VOTE 12.		£.	£.
MANUFACTURING DEPARTMENTS:			
	£.		
	Amount Proposed for 1865-66 - - - - 972,900		
	Amount Provided for 1864-65 - - - - 973,031		
		- -	131
ROYAL LABORATORIES -	The manufacture of a larger number of projectiles is contemplated - - - - -	50,135	
ROYAL SMALL ARMS ESTABLISHMENTS.	This is owing to increased cost of the manufacture of breech-loading arms - - - - -	10,142	
ROYAL GUNPOWDER FACTORY.	The cost of the saltpetre, barrels, hoops, &c., consumed by this factory is now included in Vote 13 - - - - -	- -	47,338
ROYAL LABORATORY, DEVONPORT.	The charge for the Factory for Repairs has been transferred to Vote 13, and is under the superintendence of the officers of the Store Department - - - - -	- -	11,091
VOTE 13.			
MILITARY STORE ESTABLISHMENTS:			
	£.		
	Amount Required for 1865-66 - - - - 485,000		
	Amount Voted for 1864-65 - - - - 572,519		
		- -	87,519
ESTABLISHMENTS, WAGES, &c.	A small reduction has been effected in the Military Store Staff, and the cost of rents for store buildings has been transferred to Vote 4 - - - - -	- -	12,496
FACTORY FOR REPAIRS, DEVONPORT.	The superintendence of this factory has been transferred to the Store Department from the Director of Ordnance -	9,000	
STORES - - - -	The purchases from contractors of ordnance and projectiles will be very limited during 1865-6, and the state of the Store renders it unnecessary to purchase any gunpowder or saltpetre for reserve - - - - -	- -	74,830
VOTE 14.			
WORKS AND BUILDINGS:			
	£.		
	Amount Required for 1865-66 - - - - 811,400		
	Amount Voted for 1864-65 - - - - 750,870		
		60,530	
ESTABLISHMENTS - -	The Clerical Establishment employed under the Director of Works at the War Office has been placed on a new footing, and is estimated in this Vote; a saving of 1,870 l. will thus be effected. The Staff of the Establishment is also increased to meet the additional labour in preparing the plans, &c., for the new works in North America	7,272	
WORKS - - - -	The new works proposed this year cause this increase - -	53,282	

		Increase.	Decrease.
VOTE 15.			
MILITARY EDUCATION :			
	£.	£.	£.
	Amount Required for 1865-66 - - - -	163,500	
	Amount Voted for 1864-65 - - - -	173,883	
		-	10,383
ROYAL MILITARY ACADEMY	The vacancies in the Artillery and Engineers not having been of late so numerous as heretofore, only a smaller number of cadets can be admitted to this Institution during 1865-6, and a reduction of establishment has been therefore effected - - - - -	-	5,885
ROYAL MILITARY COLLEGE, SANDHURST.	The establishment last year provided for the requirements of a larger number of cadets than it was found necessary to admit. The present Estimate is based on the actual number of cadets expected - - - - -	-	4,975
VOTE 16.			
SURVEYS :			
	£.		
	Amount Required for 1865-66 - - - -	88,345	
	Amount Voted for 1864-65 - - - -	88,345	
VOTE 17.			
MISCELLANEOUS SERVICES :			
	Amount Required for 1865-66 - - - -	£. 107,700	
	Amount Voted for 1864-65 - - - -	* 123,103	15,503
	* This is the amount as actually voted, being £. 5,000 less under the item of Field Allowance than was originally estimated.		
EXPERIMENTAL SERVICES,	The Armstrong and Whitworth Committee having concluded their experiments, the sum taken is considered sufficient to meet the requirements of the year - - -	-	17,000
CHANNEL ISLANDS MILITIA	The periodical clothing of this corps is provided for - -	9,387	
CONTAGIOUS DISEASES ACT	Provision has been made to meet the expenses expected to arise under the Act passed last Session - - - -	3,135	
FIELD ALLOWANCE - -	The contemplated withdrawal of Troops from New Zealand and cessation of active hostilities on West Coast of Africa cause this reduction - - - - -	-	8,000
VOTE 18.			
ADMINISTRATION OF THE ARMY :			
	Amount Estimated for 1865-66 - - - -	£. 212,800	
	Amount Voted for 1864-65 - - - -	223,384	
		-	10,584
WAR OFFICE - - -	The decrease in this Vote is owing to a re-organisation of the Establishment of the War Office, which has, however, given rise to increased amounts included in Votes 4 and 14, as follows - - - - -	-	10,599
	Vote 4.—Barracks - - - -	£. 1,400	
	„ 14.—Engineers Civil Establishment - - - -	2,000	
		3,400	

War Office,
17 February 1865.

ARMY ESTIMATES, 1865-66.

STATEMENT showing the VARIATION of the NUMBERS
of HER MAJESTY'S BRITISH FORCES;

AND

EXPLANATIONS of the DIFFERENCES between the
AMOUNTS Proposed in the ARMY ESTIMATES for
EFFECTIVE SERVICES for 1865-66, and the AMOUNTS
Voted for EFFECTIVE SERVICES for 1864-65.

(Presented to Parliament by Her Majesty's Command.)

Ordered, by The House of Commons, to be Printed,
17 February 1865.

ARMY ESTIMATES (EXTRA RECEIPTS).

RETURN to an Address of the Honourable the House of Commons,
dated 24 February 1865;—for,

“A DETAILED ACCOUNT of the ESTIMATED EXTRA RECEIPTS for the
Years 1864-65, and 1865-66, given at page 3 of the ARMY ESTIMATES.”

War Office, }
28 February 1865. }

HARTINGTON.

(General Peel.)

Ordered, by The House of Commons, to be Printed,

3 March 1865.

DETAILED ACCOUNT of the ESTIMATED EXCHEQUER EXTRA RECEIPTS, 1864-65 and 1865-66.

VOTE.		EXTRA RECEIPTS, 1864-65.		EXTRA RECEIPTS, 1865-66.	
		£.	£.	£.	£.
1 & 2	Capitation Grant paid by the Indian Government -	694,000	-	710,000	
	Contributions from Colonial Revenues :				
	Australia - - - - -	-	-	44,680	
	New Zealand - - - - -	-	-	160,000	
	Cape and Natal - - - - -	13,500	-	13,500	
	Ceylon - - - - -	24,000	-	100,000	
	Mauritius - - - - -	18,000	-	45,000	
	Malta - - - - -	6,200	-	6,200	
	Hong Kong - - - - -	-	-	20,000	
	Pay of Men forfeited by sentence of Court Martial -	4,000	-	4,200	
	Balances on Deserters' Accounts - - - - -	1,000	-	1,000	
	Discharge Money - - - - -	30,000	-	43,000	
	Smart Money - - - - -	1,000	-	1,000	
	Sale of Cast Horses - - - - -	12,000	-	11,500	
	Stoppages from Pay of Men on board Ship on pas- sage to and from India - - - - -	24,000	-	27,000	
	Miscellaneous - - - - -	1,665	-	1,660	
	Service of Commissariat Boats at the Cape - -	1,640	-	2,500	
	Sale of Provisions, &c. - - - - -	400	-	6,500	
			831,405		1,197,740
3	Sale of Old Clothing, Cuttings, &c. - - - - -	-	6,767	-	12,400
4	Sale of Barrack Stores, Refuse, &c. - - - - -	15,500	-	10,200	
	Damaged or Deficient Stores - - - - -	13,500	-	10,200	
	Washing Sheets - - - - -	11,000	-	10,000	
	Rent of Lands, &c. - - - - -	28,600	-	26,000	
	Canteens - - - - -	4,000	-	4,000	
	Stoppages for Quarters, Mess Furniture, &c. -	5,000	-	4,000	
	Miscellaneous - - - - -	1,095	-	600	
			78,695		65,000
	Carried forward - - - £.		916,867	-	1,275,140

VOTE.		EXTRA RECEIPTS, 1864-65.		EXTRA RECEIPTS, 1865-66.	
		£.	£.	£.	£.
	Brought forward - - -	- -	916,867	- -	1,275,140
6	Proceeds of Prison Labour, &c. - - -	- -	755	- -	700
7	Proceeds of Sale of Hospital Stores and Refuse - - -	- -	345	- -	3,100
8	Pay forfeited for fraudulent Enlistment into the Line - - - - -	- -	1,410	- -	4,000
	Damages to Stores, &c. - - - - -	- -	-	-	-
12 & 13	Proceeds of Sale of Stores, Refuse, &c. - - -	77,140	- -	65,000	-
	Departmental Expenses on Stores and Fines levied on Contractors - - - - -	5,870	- -	21,600	-
			83,010		86,600
14	Sale of Lands, Buildings, &c. - - - - -	3,700	- -	4,200	-
	Damages to Buildings - - - - -	7,000	- -	10,000	-
	Tolls for Hythe Canal - - - - -	1,200	- -	900	-
	Miscellaneous - - - - -	200	- -	300	-
			12,100		15,400
15	Contributions from Cadets and Indian Government for Royal Military Academy - - - - -	29,000	- -	25,000	-
	Ditto ditto Royal Military College - - -	21,000	- -	26,000	-
	School Fees - - - - -	2,700	- -	2,000	-
	Military Medical School, &c. - - - - -	5,130	- -	2,000	-
			57,830		55,000
16	Sale of Survey Maps, &c. - - - - -	- -	4,145	- -	13,600
17	Receipts from Tower Armouries - - - - -	4,500	- -	1,500	-
	Miscellaneous - - - - -	480	- -	200	-
			4,980		1,700
Non- Effective.	Capitation Grant paid by the Indian Government - - -	- -	243,000	- -	248,200
	TOTAL - - - - -	£.	1,324,442		1,703,440
	The Estimate of Extra Receipts to be paid into the Exchequer is for the most part based upon the actual Receipts paid in during the calendar year, ended 31st December, with the exception of the contributions from Colonial revenues - - -				
	(See Statements, page 108, Army Estimates, 1865-6.)				

War Office, }
28 February 1865. }

William Brown,
Accountant General.

ARMY ESTIMATES (EXTRA RECEIPTS).

DETAILED ACCOUNT of the ESTIMATED
EXTRA RECEIPTS for the Years 1864-5 and
1865-6, given at page 3 of the Army
ESTIMATES.

(General Peel)

*Ordered, by The House of Commons, to be Printed,
3 March 1865.*

A R M Y.

1 8 6 3 - 6 4.

STATEMENT of the SAVINGS and DEFICIENCIES upon the GRANTS for ARMY SERVICES, in the Year ended the 31st March 1864, showing all Cases in which the War Department has obtained the sanction of the Treasury to Expenditure not provided for in the Grants for that Year, together with Copies of the Representations made to the Treasury by that Department, pursuant to Act 26 & 27 Vict. c. 99, s. 24; and also a BALANCE SHEET, detailing, in Classes, the Ledger Balances on the 30th September 1864, the Date on which the Army Account of Receipt and Expenditure for 1863-64 was Closed, prepared in conformity with the Directions from the Lords Commissioners of Her Majesty's Treasury, contained in Letter dated 7th November 1864.

(PRESENTED PURSUANT TO ACT 25 & 26 VICT. c. 71, s. 26.)

*Ordered, by The House of Commons, to be Printed,
25 April 1865.*

(No. 128.)

Audit Office, Somerset House, London, W. C.,
30 March 1865.

My Lords,

WE have the honour to lay before your Lordships the accompanying Statement of Savings and Deficiencies on the Grants for Army Services in the year ended 31st March 1864, which has been transmitted to us in pursuance of your Lordships' directions, communicated to us in Mr. Peel's letter of the 21st June 1864.

The Statement is accompanied by a Balance Sheet showing the Ledger Balances on the day on which the Account was closed.

The Statement and Balance Sheet have been examined under our directions, and we beg leave to refer your Lordships to our Report of the 29th instant, No. 121, on the Abstract Account rendered under the Act 9 & 10 Vict. c. 92, as applying equally to the Statement herewith transmitted.

We have, &c.

(signed) *Edward Romilly.*
Henry Arbuthnot.
W. L. Maberley.

The Lords Commissioners of
Her Majesty's Treasury,
&c. &c. &c.

A R M Y.

No. 1.

GENERAL STATEMENT of the SUMS EXPENDED compared with the SUMS GRANTED under the following VOTES, for ARMY SERVICES in the Year ended the 31st March 1864, showing the Saving or Deficiency upon each General Vote.

No. of Vote.	TITLE OF VOTE.	EXPENDITURE, 1863-4.	GRANTS, 1863-4.	SAVINGS.	DEFICIENCIES.	Reference to Explanatory Statement.
EFFECTIVE SERVICES:						
1. REGULAR FORCES.						
		£. s. d.	£. s. d.	£. s. d.	£. s. d.	Page
1	General Staff and Regimental Pay, Allowances and Charges	5,782,759 19 6	5,880,633 - -	97,873 - 6	- - -	12
2	Commissariat Establishment, Services and Movement of Troops - - - - -	1,451,021 13 -	1,288,936 - -	- - -	162,085 13 -	16
3	Clothing Establishments, Services and Supplies - - -	552,672 9 8	710,385 - -	157,712 10 4	- - -	18
4	Barrack Establishments, Services and Supplies - - -	615,081 12 5	650,637 - -	35,555 7 7	- - -	22
5	Divine Service - - - - -	47,530 10 11	46,097 - -	- - -	1,433 10 11	22
6	Martial Law - - - - -	20,443 2 11	48,012 - -	27,548 17 1	- - -	24
7	Medical Establishments, Services and Supplies - - -	273,451 6 10	271,893 - -	- - -	1,558 6 10	28
2. AUXILIARY FORCES.						
8	Disembodied Militia - - - - -	785,486 14 2	751,084 - -	- - -	34,402 14 2	36
9	Yeomanry - - - - -	92,463 2 3	94,162 - -	1,698 17 9	- - -	38
10	Volunteers - - - - -	290,677 11 9	321,884 - -	31,206 8 3	- - -	40
11	Enrolled Pensioners and Army Reserve Force - - -	45,346 1 8	55,847 - -	10,500 18 4	- - -	40
3. STORES.						
12	Manufacturing Departments - - - - -	849,502 19 -	956,365 - -	106,862 1 -	- - -	42
13	Warlike Stores - - - - -	652,515 13 9	869,069 - -	216,553 6 3	- - -	46
4. WORKS AND BUILDINGS.						
14	Superintending Establishments, and Expenditure for Works, Buildings, and Repairs at Home and Abroad -	802,098 18 1	822,941 - -	20,842 1 11	- - -	76
5. OTHER SERVICES.						
15	Military Education - - - - -	154,159 14 2	172,201 - -	18,041 5 10	- - -	88
16	Surveys of the United Kingdom and Topographical Department - - - - -	91,513 6 -	85,441 - -	- - -	6,072 6 -	90
17	Miscellaneous Charges - - - - -	93,722 14 1	94,135 - -	412 5 11	- - -	94
18	Administration of the Army - - - - -	209,913 18 11	213,177 - -	3,263 1 1	- - -	96
NON-EFFECTIVE SERVICES:						
19	Rewards for Military Services - - - - -	26,071 12 5	25,933 - -	- - -	138 12 5	96
20	Pay of General Officers - - - - -	76,133 11 3	77,782 - -	1,648 8 9	- - -	96
21	Pay of Reduced and Retired Officers - - - - -	448,130 19 -	464,895 - -	16,764 1 -	- - -	98
22	Widows' Pensions and Compassionate Allowances - -	163,535 14 6	172,157 - -	8,621 5 6	- - -	98
23	Pensions and Allowances to Wounded Officers - - -	29,871 4 6	32,843 - -	2,971 15 6	- - -	100
24	In-Pensions - - - - -	32,014 12 4	33,776 - -	1,761 7 8	- - -	100
25	Out-Pensions - - - - -	1,138,564 1 1	1,151,202 - -	12,637 18 11	- - -	102
26	Superannuation Allowances - - - - -	131,981 2 9	144,964 - -	12,982 17 3	- - -	102
27	Disembodied Militia - - - - -	28,865 3 8	32,786 - -	3,920 16 4	- - -	102
-	Amount written off as irrecoverable, being Balances due from sundry Persons - - - - -	4,379 13 3	- - -	- - -	4,379 13 3	104
-	Cost of Illumination at sundry Stations on the Marriage of H.R.H. the Prince of Wales - - - - -	6 8 10	- - -	- - -	6 8 10	104
-	Charges on Account of the late Turkish Contingent, Army Works Corps, and Special Engineering Services in Turkey during the late War with Russia - - -	304 6 5	- - -	- - -	304 6 5	106
TOTALS - - £.		14,890,239 19 1	15,469,237 - -			
TOTAL SAVINGS - - - - -				£. 789,378 12 9		
TOTAL DEFICIENCIES - - - - -				£.	210,381 11 10	

War Office,
8 March 1865. }

The above Account examined and found correct, subject to the observations contained in the Report to the Treasury dated 29th instant, No. 121, on the Account rendered under 9 & 10 Vict. c. 92.

Audit Office,
30 March 1865. }

William Brown,
Accountant General, War Office.

Charles Vine.

By Order of the Board,

C. Macaulay,
Secretary.

No. 2. - - - - -

EXPLANATORY STATEMENT of the SUMS EXPENDED, "More or Less" than those Estimated, under each Causes of Variation between the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 1.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES AND CHARGES:				
GENERAL STAFF:				
Charge for the Pay of General Staff, Clerks, and others, and for Postage and Miscellaneous Ex- penses of Officers, Allowances in lieu of Servants, Table Money for General Officers, and Travelling Expenses - - - - -	109,360 11 10	114,976 - - 3,000 - - Supplemental Estimate	8,615 8 2	- -
REGIMENTS:				
Regimental Pay - - - - -	4,458,803 6 11	4,491,679 - - 30,000 - - Supplemental Estimate	62,875 13 1	- -
Additional Pay for Brevet Rank and Length of Service - - - - -	40,334 2 11	39,423 - -	- -	911 2 11
Extra Pay to Engineer Officers - - - - -	39,646 15 7	41,947 - -	2,300 4 5	- -
Good Conduct Pay - - - - -	134,097 19 1	126,835 - -	- -	7,262 19 1
Beer Money - - - - -	112,594 2 3	118,102 - -	5,507 17 9	- -
Command Pay - - - - -	18,568 13 6	18,721 - -	152 6 6	- -
Servants' Allowance to Engineer Officers, and to other Regimental Officers, including Black Servants' Allowance - - - - -	15,008 14 6	14,726 - -	- -	282 14 6
Non-Effective Allowance to Field Officers, and Con- tingent Allowance to Captains - - - - -	65,036 14 9	64,542 - -	- -	494 14 9
Allowance to Riding Masters, Rough Riders, and Lance Serjeants, and Farriery Allowance - - - - -	11,909 8 4	13,364 - -	1,454 11 8	- -
Special Allowances to Household Cavalry and Foot Guards - - - - -	15,061 19 1	12,246 - -	- -	2,815 19 1
Allowances to Officers' Instructors, and to Officers and Non-Commissioned Officers' Instructors in Gunnery - - - - -	6,770 10 3	6,168 - -	- -	602 10 3
Table Allowance to the Guard at St. James's and Dublin, and Allowance in Aid of Regimental Messes - - - - -	33,787 15 11	33,031 - -	- -	756 15 11
Carried forward - - - £.	5,060,980 14 11	5,128,760 - -	80,906 1 7	13,126 16 6

No. 2.

of the Sub-divisions of the VOTES included in the foregoing Statement, together with the Expenditure and the Estimate.

CAUSES OF VARIATION.

The Saving under this Item arises from the following Causes, viz.:—

- 1stly. The sum of 3,000 *l.*, provided in the Supplementary Estimate for Service in New Zealand, not being required.
- 2dly. The Pay of Non-Commissioned Officers and others employed as Clerks in the Artillery Offices having become merged in the Sum provided for the Pay of Non-Commissioned Officers employed in the District Offices of the Royal Artillery and Royal Engineers, and upon which item there is an Excess of Expenditure beyond the Grants.—See page 13.
- 3dly. The Expenditure on account of the Travelling Expenses of Officers having been considerably under the amount provided.

This Saving has been occasioned by—

- 1stly. Credits on account of Adjustments in respect to closed accounts of former years.
- 2dly. Lapsed Charges for certain Regiments, the accounts for which have not been received.
- 3dly. The Supplementary Estimate for 30,000 *l.* not being required, the Recruits for the Regiments in New Zealand not having been raised within the financial year.
- 4thly. Saving in the Pay of Regiments proceeding to and from India.

This Excess has resulted from the number of claimants, principally Medical Officers, to additional Pay, having been larger than was expected when the Estimates for 1863-64 were prepared.

This Saving has originated from some of the Officers entitled to this Allowance having been on extended leave of absence.

This Excess has resulted from the continued and extended operation of the Royal Warrant, dated the 1st March 1860.

This Saving has been caused by the 5th Dragoons, 4th Battalion Military Train, and nine Corps of Infantry leaving England for service in India and elsewhere, while no more than two Regiments of the Line returned from service Abroad during the financial year ended the 31st March 1864.

This Saving has been caused by circumstances described in explanation of the saving on Regimental Pay.

This Excess mainly arises from the Allowance in lieu of Soldier Servants having been granted, after the Estimates for 1863-64 were closed, to the Officers of the Coast Brigade, Royal Artillery.

This Excess is attributable to the abatement from the Contingent Allowance to Officers commanding Companies of the Grenadier Guards, for the purpose of meeting the requirements incidental to the appointment of Armourer Serjeants at higher rates of pay, not having realised the amount anticipated.

This Saving arises from two Regiments of Cavalry having embarked for India during the year for which the full Farriery Allowance was provided, and from the Cape Mounted Rifles having drawn horse shoes from the Military Store.

This Excess has resulted from the Account of the Allowances to the Grenadier Guards in lieu of the Stock Purse Fund for Recruiting and Hospital Charges for the half year ended the 31st March 1863 not having been received in office until after the Parliamentary Account for 1862-63 had been rendered.

This Excess has been occasioned by an allowance having been granted to Officers of Regiments of Cavalry for which no provision was made.

This Excess arises from an additional Battalion of Guards having been ordered to Canada, and from the Mess Allowance having been granted to Officers in the Schools of Gunnery and Musketry, in addition to the usual Regimental Grant.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE,	ESTIMATE,	EXPENDITURE	
	1863-64.	1863-64.	Less than Estimate.	More than Estimate.
VOTE No. 1—continued.				
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES AND CHARGES—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Brought forward - - -	5,060,980 14 11	5,128,760 - -	80,906 1 7	13,126 16 6
REGIMENTS—continued.				
Special Allowances to the Troops serving in China -	34,420 16 9	49,395 - -	14,974 3 3	- -
Agency, including Allowance to the Agents for Postage and Stationery - - - - }	38,823 1 7	41,019 - -	2,195 18 5	- -
Regimental Postage and Stationery - - - -	10,762 14 1	11,381 - -	618 5 11	- -
NATIVE INDIAN TROOPS:				
Repayment to the Indian Government for the Pay and Clothing of two Regiments of Infantry em- ployed in China - - - - }	57,476 9 11	38,000 - -	- -	19,476 9 11
Repayment to the Indian Government for the Force maintained at Labuan - - - - }	4,916 10 -	4,500 - - 500 - - Supplemental Estimate }	83 10 -	-
FURLOUGH PAY:				
Pay of Officers on Furlough from India, and of Non- Commissioned Officers and Men invalided from Regiments on the Indian Establishment - - }	144,484 13 8	130,000 - -	- -	14,484 13 8
DEPÔT ESTABLISHMENTS:				
Cavalry Depôts at Maidstone and Canterbury:				
Pay of Staff, Non-Commissioned Officers and Clerks; and Charges for Farriery Allowance, Incidental Expenses of Riding Schools, Travelling Expenses, Postage and Miscellaneous Expenses of Offices - }	7,478 18 2	7,798 -	319 1 10	- -
DEPÔT BATTALIONS:				
Pay of Staff, Non-Commissioned Officers and Clerks; and Charges for Musketry Instruction for the Depôt Establishment at Chatham, Allowance in lieu of Servants, Travelling Expenses, Postage and Miscellaneous Expenses of the Offices, and Allow- ance to General Agent for Cashing Paymaster's Drafts - - - - }	68,889 12 9	69,323 - -	433 7 3	- -
RECRUITING ESTABLISHMENTS AND SERVICES:				
Establishments:				
Pay of Staff, Non-Commissioned Officers and Clerks; and Charges for Allowance in lieu of Servants, Rent of Recruiting Offices, Travelling Expenses, Postage, and Miscellaneous Expenses of the Offices	22,087 5 5	22,682 - -	594 14 7	- -
Carried forward - - - £.	5,450,320 17 3	5,503,358 - -	100,125 2 10	47,088 - 1

the Votes included in the foregoing Statement, together with the Causes of Variation, &c. — *cont^d*.

CAUSES OF VARIATION.

The Estimate for this Service, being of a very exceptional nature, was based upon the Expenditure of the year 1861-62; the force employed in the China command was, however, considerably reduced subsequently to that period.

This Saving represents certain Liabilities to Regimental Agents, on account of their Emoluments, the Settlement for which was not effected until after the 1st April 1864.

See Explanation in regard to Regimental Pay.

The Expenditure here reported represents the amount allowed on the Claims preferred by the Indian Government in respect to repayment from Army Funds of the Advances made from Local Funds, &c., for the Pay and Allowances to certain Native Regiments serving in China for the period commencing on the 1st April 1862, which Claims not having been preferred until after the 1st April 1862, have caused two years' Expenditure to be charged against the Grants for one.

This Saving arises from the amount voted on the Supplemental Estimate, dated 3d March 1864, P. P. No. 95, having been more than was required, which could not have been anticipated at that date.

The Estimate for this Service was limited to the anticipated Charges for the Pay of Officers on Leave from India during the year 1863-64; a Payment amounting to 12,813 £. was made to the Indian Government, and included herein on account of Furlough Pay to Officers of the Royal Artillery for prior years.

These Savings arise from the Items of a Contingent character having been less than contemplated at the commencement of the financial year.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 1—continued.				
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES AND CHARGES—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Brought forward - - -	5,450,320 17 3	5,503,358 - -	100,125 2 10	47,088 - 1
RECRUITING ESTABLISHMENTS AND SERVICES—cont ^d .				
Services:				
Allowances and Expenses of Superintending Officers	5,694 18 9	2,692 - -	- -	3,002 18 9
Levy Money of Recruits for British Establishment, Indian Depôts, and to make good Casualties in India - - - - -	25,644 15 8	78,461 - -	52,816 4 4	- -
Medical Attendance on Recruiting Parties and Re- cruits - - - - -	103 1 1	200 - -	96 18 11	- -
Marching and Travelling Allowances, and Cost of Conveyance of Recruits, Escorts, &c. - - -	10,507 12 9	9,000 - -	- -	1,507 12 9
Special Bounty to Men re-engaging in the Colonies -	1,615 12 -	4,800 -	3,184 8 -	- -
Salary of General Agent for Recruiting Service, Allowance for Clerks, Office Rent, &c. - - -	1,350 - -	1,350 - -	—	—
HORSES:				
Pay of Veterinary Staff and of Clerks; and Charges for Allowance in Lieu of Servants, Travelling Ex- penses, Postage, and Miscellaneous Expenses of the Offices - - - - -	3,690 1 5	3,921 - -	230 18 7	- -
Cost of Horse Medicines, and for the Payment of Claims of Private Veterinary Surgeons - - -	1,148 11 2	1,063 - -	- -	85 11 2
Remount Allowance to Household Cavalry - -	3,360 - -	3,360 - -	—	—
Remount Allowance to Officers of the Cape Mounted Rifles - - - - -	782 10 7	1,070 - -	287 9 5	- -
Purchase of Horses, Cavalry of the Line - - -	13,725 7 -	5,000 - -	- -	8,725 7 -
Purchase of Horses, Royal Artillery and Royal En- gineers - - - - -	23,963 18 3	11,500 - - 6,000 - - Supplementary Estimate.	- -	6,463 18 3
Purchase of Horses, Cape Mounted Rifles - -	1,205 - -	5,000 - -	3,795 - -	- -
Purchase of Horses, Military Train - - - -	16,423 14 -	3,000 - - 7,000 - - Supplementary Estimate.	- -	6,423 14 -
Carried forward - - - £.	5,559,535 19 11	5,646,775 - -	160,536 2 1	73,297 2 -

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Excess has been caused by the employment of Staff and Non-Commissioned Officers of Pensioners upon Recruiting duties, for whose Allowances no provision was made in the Estimates for 1863-64.

This Saving has resulted from the following circumstances, viz. :—

That 11,115 Recruits were raised for service in the Colonies, India, and Home, while the Estimate provided for 17,670.

That the Rate paid for Bounty to Recruits was 2*l.* 6*s.* for the Artillery, Cavalry, and Infantry, and 3*l.* 6*s.* for Engineers, instead of the respective sums of 3*l.* 7*s.* 6*d.* and 4*l.* 7*s.* 6*d.*; an alteration having been made after the Estimates for 1863-64 were made.

That no charge has been raised against this sum on account of the Four Months' Advance for the period of the passage of Recruits to India, it not having been practicable to determine from the Regimental Accounts whether trained or untrained Soldiers were dispatched. The Expenditure therefore applicable to this head has been recorded against the general item "Pay."

A small Amount is provided for this service annually; the Expenditure is of a very fluctuating nature.

The Charges under this head being of so very fluctuating a character that no critical Estimate could be framed, the Excess may be ascribed to the distance the Recruits had to travel before they reached the Head Quarters of the Corps for which they enlisted.

It was assumed when these Estimates were framed, that in consequence of the inducement held out to men re-engaging in the Colonies, the amount provided for this service would be required.

This Saving arises from the full establishment of Officers not having been employed for the whole year.

The Excess on this item arises from an increased demand for Drugs beyond the sum provided.

As this Allowance is to compensate Officers of the Cape Mounted Rifles for the wear and tear of their Horses, this Saving is attributable to the service of the Chargers having been more than 10 years; upon which data this remuneration is granted.

The casualties during the year were in Excess of those estimated for.

Ditto - - - - - ditto.

The Sum voted was for the purchase of 200 Horses in 1863-64, but the actual disbursements on account thereof did not extend beyond those made for 48; the efficiency of the Corps not needing a larger outlay than here reported.

This Excess has been occasioned by the purchase of 166 Horses for the purpose of remounting the 4th Battalion Military Train in New Zealand, and for replacing the Horses destroyed by fire at Aldershot.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE			
			Less than Estimate.		More than Estimate.	
VOTE No. 1— <i>continued.</i>						
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES AND CHARGES— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
Brought forward - - -	5,559,535 19 11	5,646,775 - -	160,536 2 1		73,297 2 -	
HORSES— <i>continued.</i>						
Purchase of Horses, Cavalry Depôts, Canterbury and Maidstone - - - - - }	150 - -	1,000 - -	850 - -		- -	
Expense prior to joining - - - - -	2,451 17 7	1,500 - -	- -		951 17 7	
INSTRUCTION IN GUNNERY:						
Pay of the Establishment of the School of Gunnery, Shoeburyness, Experimental Branch, and the Royal Military Repository, and Charges for Good Ser- vice Pay, Beer Money, &c, of Non-Commissioned Officers and Men; Allowance in lieu of Forage, Travelling, and Miscellaneous Expenses - - - }	6,890 4 1	6,872 - -	- -		18 4 1	
INSTRUCTION IN ENGINEERING:						
Pay of the Establishment for the Instruction in Field Works, Pontooning, &c., at Chatham; and Charges for the Special Grants to Officers and Non-Commissioned Officers heretofore paid by the Indian Government; Allowance in lieu of Servants and Forage; Contingent Expenses in connection with the Course of Instruction in the Establish- ment; Reconnoissance Allowance to Lieutenants; Travelling Allowance to Officers visiting Engineer Works; Fees for Lectures on Professional Sub- jects; Working Pay to Non-Commissioned Officers of the Royal Engineers when instructing Soldiers of the Line in Engineering Duties; Expenses of Chemical Laboratory, and Cost of Electric Tele- graph and Photographic Instruments, &c.; and Materials and Labour for Field Works, &c., at Chatham, Aldershot, Shorncliffe and the Curragh - }	15,682 1 7	14,504 - -	- -		1,178 1 7	
INSTRUCTION IN MUSKETRY:						
Pay of the Supervising Staff and of the Establish- ment at the Schools at Hythe and Fleetwood; and Charges for Good Service Pay and Beer Money to Non-Commissioned Officers and Men; Allow- ances in lieu of Servants and Lodgings; Travelling Expenses, Postage, and Miscellaneous Expenses; and Good Shooting Pay - - - - - }	25,473 16 8	26,637 - - 1,500 - - Supplemental Estimate	2,663 3 4		- -	
MISCELLANEOUS:						
Charge for Military Savings Banks, including the Extra Pay of Non-Commissioned Officers acting as Savings Bank Clerks - - - - - }	2,486 14 7	2,000 - -	- -		486 14 7	
Allowance to Acting Staff of Detachments - - -	4,389 10 1	8,200 - -	3,810 9 11		- -	
• Carried forward - - - £.	5,617,060 4 6	5,708,988 - -	167,859 15 4		75,931 19 10	

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

The amount voted for this Service was merely a sum on account, as the casualties and requirements at these two depôts could not be critically estimated at the commencement of the financial year. This Saving therefore is owing to no more than five Horses being purchased to fill up the ranks.

As this is an uncertain item of Expenditure, consisting of Travelling Allowances to Dealers, and the Expenses of Officers employed in selecting Horses, this Excess arose from arrear Claims, which came into course of payment after the 1st of April 1863, and a larger number of Horses having been purchased than was contemplated.

This Excess is on the item of Contingencies.

This Excess has resulted from the demand for Materials and Labour for Field Works, &c., having been more than was expected, in consequence of the extended operations of this Establishment.

This Saving has been caused principally by the payments on account of the Allowance for Good Shooting being less than anticipated.

This Excess has arisen from a Charge for Interest beyond the sum for which provision was made, in consequence of the Dividends derived from the investment in Government Securities having fallen short of the amount due for Interest payable to Depositors.

The Expenditure for this Service is of a fluctuating nature. The Estimate was based upon the Expenditure of the year 1861-62, which included the Allowance to Acting Staff of Royal Artillery, the Expenditure for which has been considerably reduced.

EXPLANATORY STATEMENT of the Sums Expended, " More or Less " than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.		ESTIMATE, 1863-64.		EXPENDITURE			
					Less than Estimate.		More than Estimate.	
VOTE No. 1— <i>continued.</i>								
GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES AND CHARGES— <i>continued.</i>	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
Brought forward - - -	5,617,060	4 6	5,708,988	- -	167,859	15 4	75,981	19 10
MISCELLANEOUS— <i>continued.</i>								
Outfit Allowance to Non-Commissioned Officers who obtain Commissions - - - - - }	2,680	10 6	3,000	- -	319	9 6	-	-
Allowances to Discharged Soldiers and their Families to take them Home, and Temporary Allowances to Widows and Children of Deceased Soldiers - }	16,761	11 6	20,000	- -	3,238	8 6	-	-
Gratuities to Soldiers Discharged by indulgence, and as Rewards for Meritorious Conduct - - - }	8,564	19 3	7,140	- -	-	-	1,424	19 3
Pay and Allowances to Non-Commissioned Officers employed as Clerks in the District Offices of the Royal Artillery and Royal Engineers, and Pay of Civilian and Military Clerks employed by the Pay- masters of the Royal Artillery and Royal Engineers }	5,187	7 -	3,975	- -	-	-	1,212	7 -
Extra Allowance to Non-Commissioned Officers and Privates employed as Instructors of Gymnastics, Instructors in Cookery, and Fire Brigade in Garrisons and Camps - - - - - }	1,595	6 9	4,050	- -	2,454	13 3	-	-
Travelling Expenses of Regimental Officers (without Routes) at Home, and Personal Allowance in the Colonies - - - - - }	8,610	4 11	6,500	- -	-	-	2,110	4 11
Allowance for Cemetery Charges - - -	64	10 6	80	- -	15	9 6	-	-
Miscellaneous and Unforeseen Charges of a Regi- mental Nature - - - - - }	2,343	3 8	{ 4,000 - - 3,008 - - Supplemental Estimate. }		4,664	16 4	-	-
Amount of Disallowances made by the India Office on the Accounts rendered to that Department by the War Office for Advances for Regiments serving in India during the period from 1854-55 to 1860- 61, finally declared and acceded to in 1863-64 - }	119,892	- 11	{ 119,892 - - Per Supplemental Estimate. }		-	-	-	- 11
£.	5,782,759	19 6	5,880,633	- -	178,552	12 5	80,679	11 11
Savings carried to page 3 - - -	£. 97,873 - 6				£. 97,873 - 6			

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (*see* p. 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

Outfit Allowances are granted to Officers promoted from the rank of Non-Commissioned Officers; the Expenditure depends upon the number so promoted.

This Saving is owing to a less number of Men being discharged in 1863-64 than in the year 1861-62, upon the Expenditure for which year the Estimate for 1863-64 was based; the number discharged in the former year being 11,600, and in the latter 9,200 only.

The Estimate for this Service was limited to the amount provided under the Royal Warrant; the Excess under this item is caused by the Gratuities granted to Soldiers settling in the Colonies, and for which no provision was made.

See Explanation given in regard to Item No. 1 of this Vote, page 5.

The Estimate for this Service provided for a Serjeant Cook for each Battalion of Infantry for the entire year; as, however, the men had to be instructed in their duties before they were appointed, the number so appointed fell short of the original Estimate.

The Expenditure for this Service is of a fluctuating nature, dependent solely upon the number of Officers moved from the Dépôt to the service Companies, and *vice versa* from those proceeding to and from the Schools of Gunnery and Musketry, and from station to station.

The Expenditure on Account of this Service depends upon the number of Soldiers who die in Debt, and whose funeral expenses, consequent upon local charges, exceed 1 *l.* 15 *s.* per man, the regulated expense, which is defrayed by the Captains of the Companies to which the men belong.

The Expenditure under this item is very fluctuating, and embraces charges of a miscellaneous character not provided for in the other items of this Vote. It was assumed, in consequence of the exceptional nature of the operations in New Zealand, that the Expenditure would exceed the amount provided in former years, a circumstance which has not been borne out by the Accounts received from that Colony.

Fractions.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE,	ESTIMATE,	EXPENDITURE											
	1863-64.	1863-64.	Less than Estimate.	More than Estimate.										
VOTE No. 2.														
COMMISSARIAT ESTABLISHMENT, SERVICES AND MOVEMENT OF TROOPS:	£. s. d.	£. s. d.	£. s. d.	£. s. d.										
COMMISSARIAT STAFF:														
Commissariat Staff Pay; and Charges for Allowance to Regimental Officers for performing Commissariat Duties; Clerks, Storekeepers, Issuers, and others; Office Expenses; Allowance in lieu of Servants; and Travelling Expenses - - - - -	89,976 13 9	97,329 - -	7,352 6 3	- -										
COMMISSARIAT SUPPLIES AND SERVICES:														
Provisions—Net Cost after deducting Stoppages -	497,070 11 1	{ 468,486 - - 16,000 - - Per Supplemental Estimate. }	- -	17,584 11 1										
	<table><tr><td>Expenditure.</td><td>Estimate.</td></tr><tr><td>£. s. d.</td><td>£. s. d.</td></tr><tr><td>Disbursements - - 1,245,498 14 8</td><td>1,346,943 - -</td></tr><tr><td>Less,—</td><td></td></tr><tr><td>Amount of Stoppages - 748,428 3 7</td><td>867,457 - -</td></tr></table>	Expenditure.	Estimate.	£. s. d.	£. s. d.	Disbursements - - 1,245,498 14 8	1,346,943 - -	Less,—		Amount of Stoppages - 748,428 3 7	867,457 - -			
Expenditure.	Estimate.													
£. s. d.	£. s. d.													
Disbursements - - 1,245,498 14 8	1,346,943 - -													
Less,—														
Amount of Stoppages - 748,428 3 7	867,457 - -													
Allowance to Wives and Children of Soldiers whose Husbands and Fathers are serving in the Colonies }	1,553 5 1	2,000 - -	446 14 11	- -										
Allowance to Officers and others at the Cape of Good Hope, New Zealand, Natal, St. Helena, Tasmania, and Western Australia, on account of the high price of Provisions - - - - - }	32,410 11 1	{ 31,788 - - 10,000 - - Per Supplemental Estimate. }	9,377 8 11	- -										
Cost of Forage supplied in kind, and Allowance in lieu thereof - - - - - }	545,290 18 11	{ 443,955 - - 24,000 - - Per Supplemental Estimate. }	- -	77,335 18 11										
Pay of Commissariat Artificers, Labourers, and others; and Working Pay to Non-commissioned Officers and Men of the Commissariat Staff Corps }	16,845 10 1	18,021 - -	1,175 9 11	- -										
Miscellaneous :—Consisting of Charges for the Pur- chase and Repair of Commissariat Stores, Imple- ments, &c.; Rents, Taxes, and supply of Water to Offices and Buildings used for Commissariat purposes; and Incidental Expenses connected with Abattoirs and Bakeries - - - - - }	7,723 10 -	5,098 - -	- -	2,625 10 -										
Carried forward - - - £.	1,190,871 - -	1,111,677 - -	18,352 - -	97,546 - -										

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Saving has arisen,—

- 1st. From the non-receipt of Accounts from the Gold Coast.
- 2d. From the Pay and Allowances of the Commissariat Establishment in Western Australia being now defrayed from the Vote for Convict Service.
- 3d. From the Expenditure in Canada, China, Cape of Good Hope, Falkland Islands, Gibraltar, Honduras, Sierra Leone, Ionian Islands, and West Indies, having fallen short of the amount originally contemplated, in consequence of Vacancies and other causes.

This Excess is solely attributed to the Insurrection in New Zealand. The gross amount voted for Provisions, including the Supplementary Grant, was 118,337 *l.*; the gross Expenditure being 217,056 *l.*

This Saving arises from the Wives and Children of Soldiers serving in British North America having joined their Husbands and Fathers during the period between 1st April 1863 and 31st March 1864.

This Saving has resulted from the Expenditure at the Cape of Good Hope, St. Helena, and Tasmania, falling below the amounts contemplated, and the Grant intended for Troops quartered in Western Australia lapsing; while the Excess of Charge in New Zealand on account of the Native Hostilities did not realise the amount voted on the Supplemental Estimate.

This Excess is principally attributable to the Native Insurrection in New Zealand, a large Expenditure having been incurred in the purchase of Forage for the animals employed in Transport Services; the Gross Sum provided in the Estimate 1863-4, including the Supplemental Grant, was 36,105 *l.*; the Expenditure being 112,959 *l.*

This Saving has mainly arisen from the Services of Artificers, Labourers, and others not being required at Home, the Cape of Good Hope, and Western Australia, to the extent first contemplated.

The Commissariat Department at Home, New Zealand, Gibraltar, and the Mauritius requiring additional Store accommodation occasioned this Excess.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.		ESTIMATE, 1863-64.		EXPENDITURE,			
					Less than Estimate.		More than Estimate.	
VOTE No. 2—continued.								
COMMISSARIAT ESTABLISHMENT, SERVICES AND MOVEMENT OF TROOPS—continued.	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
Brought forward - - -	1,190,871	- -	1,111,677	- -	18,352	- -	97,546	- -
MOVEMENT OF TROOPS:								
Railway and other Expenses (including Marching Allowance to Officers) for Troops moved from one Station to another on Regimental Routes - - }	48,443	7 3	80,835	- -	32,391	12 9	-	-
COMMISSARIAT TRANSPORT IN THE COLONIES:								
Expenses of the Commissariat Transport Establish- ment, including the Pay of Drivers and other Charges, and the Cost of Hired Transport, irre- spective of the proportion chargeable to the Royal Engineer Department, and provided for in the Vote for Works and Buildings - - - }	210,162	12 8	{ 80,424 - - 15,000 - - Per Supplemental Estimate. }		-	-	114,738	12 8
Special Allowance at the Cape and Natal - -	1,544	13 1	1,000	- -	-	-	544	13 1
£.	1,451,021	13 -	1,288,936	- -	50,743	12 9	212,829	5 9
Excess carried to page 3 - £. 162,085 13 -								
£. 162,085 13 -								

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (*see* page 107).

VOTE No. 3.				
CLOTHING ESTABLISHMENTS, SER- VICES, AND SUPPLIES:				
ESTABLISHMENTS:				
Pay and Salaries of the Clothing Factories at Pimlico and Woolwich - - - - - }	6,138	8 8	8,406	- -
			2,267	11 4
SERVICES:				
Pay of Storeholders - - - - - }			590	- -
Wages of Foremen, Viewers, Artificers, Messengers, Labourers, and others - - - - - }	15,841	9 5	17,962	- -
			2,710	10 7
Charge for Metropolitan Police - - - - -	889	2 1	878	- -
			-	-
Machinery - - - - -	4,216	8 5	4,500	- -
			283	11 7
Carried forward - - - - £.	27,085	8 7	32,336	- -
			5,261	13 6
			11	2 1

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

The Estimate for this Service was based upon the Expenditure of the year 1861-2, since which period the movement of Troops from Station to Station has not been so frequent, and the period of Regiments at the Camps has been extended to two years.

This Excess has been entirely caused by the Native Insurrection in New Zealand; the total Expenditure at which Station amounted to upwards of 140,000 *l.*; this Sum includes the Additional Pay of Officers and Men forming the Commissariat Transport Corps, and the purchase of draught animals and plant.

This is a Special Allowance granted to Officers on the Eastern Frontier of the Cape of Good Hope, in aid of the expenses of the carriage of necessaries; the Expenditure includes the amount paid to Staff and Regimental Officers, provision having been made in this item for the latter only, the Charge for the former having been previously provided under Land Transport.

When the present Organisation of the Clothing Factories was proposed, the Estimate for 1863-4 had already been prepared, and provision was made for the Charges incidental to the one in force prior to the 31st March 1863. The Saving now shown is the result of more economical management, arising from the changes which have been effected in those Establishments.

This Saving is attributable to the non-employment of Artificers, Labourers, and others to the extent contemplated when the Army Estimates for 1863-4 were prepared.

This Excess is the casual difference between actual and estimated Expenditure.

This Saving has been occasioned by the Plant of Machinery at the Pimlico Factory not requiring the Additions or Repairs expected at the time when the Estimates for the year 1863-4 were prepared.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.		ESTIMATE, 1863-64.		EXPENDITURE,					
					Less than Estimate.		More than Estimate.			
VOTE No. 3—continued.										
CLOTHING ESTABLISHMENTS, SERVICES AND SUPPLIES—continued.										
Brought forward - - -	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.		
	27,085	8 7	32,336	- -	5,261	13 6	11	2 1		
Services—continued.										
Buildings at Pimlico: Charges for the Purchase of Buildings for inspecting Contract Clothing; New Works, Additions, &c., amounting to less than 1,000 l. each; and ordinary and current Repairs -	19,673	10 11	20,020	- -	346	9 1	-	-		
Buildings at Woolwich: Charges for New Works, Additions, &c., amounting to less than 1,000 l. each; and ordinary and current Repairs - - -	156	2 4	792	- -	635	17 8	-	-		
Miscellaneous: comprising Charges for Materials for Packing, Freight (Coastwise), and Carriage of Clothing; for the Purchase of Miscellaneous Stores; Rents, Rates, and Insurance of Buildings hired for Clothing Factory; Fuel and Light; Allowance in lieu of Servants; Allowance in lieu of Lodgings; Travelling Expenses of Officers and Subordinates; Office Expenses; and Contingencies of the Clothing Establishments - - - - -	19,529	17 11	17,016	- -	-	-	2,513	17 11		
SUPPLIES OF CLOTHING AND NECESSARIES:										
Charge for Clothing: Great Coats, Leggings, and Necessaries supplied to the Royal Horse Artillery, and Riding Establishment; Life Guards and Royal Horse Guards; Cavalry of the Line; Royal Artil- lery; Royal Engineers; Military Train; Foot Guards; Infantry of the Line; Army Hospital Corps; Commissariat Staff Corps; West India Regiments; Colonial Corps; Re- cruiting Districts; Garrison and Miscellaneous Services; viz.: -	£.	s. d.								
	764,040	8 1								
Deduct,—			486,227	9 11	{ 560,221 - - 80,000 - - per Supplemental Estimate. }		153,993	10 1	-	
Value of Clothing, &c., supplied to Indian and Co- lonial Govern- ments, Marines, Convict Esta- blishments, &c. &c.)	£.	s. d.								
	233,638	- 5								
Value of Necessa- ries supplied to various Regi- ments on repay- ment - - -	39,174	17 9								
	277,812	18 2								
	£.	552,672	9 8	710,385	- -	160,237	10 4	2,525	- -	
Savings, carried to page 3 - - -										
			£. 157,712				£. 157,712			

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Saving has been caused by the sums voted to defray the cost of incidental services connected with the store branch of this establishment having lapsed, the contemplated repairs not being required.

This Saving has originated from the abandonment of several works, the cost of which were provided for in the Estimate for 1863-64.

The Excess on this item has been covered by the amount paid by the Indian Government, other departments, &c., for clothing supplied.

This Saving has been caused by the following circumstances, viz. :

1st. On the 28th January 1863, the Indian Government granted an imprest of 130,000 <i>l.</i> , to enable the War Office to supply clothing, which, to the value of 75,212 <i>l.</i> 12 <i>s.</i> 10 <i>d.</i> , was obtained prior to the 31st March 1863, but as the Indian Office did not demand the bulk of the clothing so purchased until after that date, credit could therefore only be allowed to the Vote for the value of the clothing materials actually issued between the date of the imprest referred to, and the end of the financial year, amounting to 15,974 <i>l.</i> 7 <i>s.</i> 2 <i>d.</i> , thus leaving a sum to be credited to the Vote for 1863-4, amounting to - - - - -		£.	<i>s.</i>	<i>d.</i>
		59,238	5	8
2d. Advances made in the years 1859-60, 1860-1, 1861-2, by the Indian Government from the local revenue, on account of compensation in lieu of cost of making up and repairing clothing; and also for the carriage and contingent expenses connected with the supply of clothing to Her Majesty's Forces serving in India, the amount of which, although provided for in the Estimates for 1863-4, could not be repaid until 1864-5, in consequence of the claim not having been preferred until May of that year - - - - -		69,440	6	11
3d. Difference between the actual expenditure and the supplemental grant for the special supplies of clothing consigned to New Zealand -		16,444	6	1
4th. Liabilities for which provision was made in the Estimates for 1863-4, coming into course of payment after the 31st March 1864, owing to the failure of Contractors to deliver within the financial year - -		8,870	11	5
		£.	153,993	10 1

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 4.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
BARRACK ESTABLISHMENTS, SERVICES AND SUPPLIES.				
ESTABLISHMENT :				
Pay of Barrack Masters, Clerks, and Serjeants, and Charges for the Allowances to Officers of the Military Store Staff for performing Barrack Duties, Allowance to Gas Inspector, Office Expenses, Allowance in lieu of Servants, and Travelling Expenses - - - - -	40,613 2 7	41,380 - -	766 17 5	- -
Salaries and Wages, including Charges for the Pay to the Ranger of the Curragh, Caretakers at the Curragh, Permanent Labourers of the Barrack Department, and Extra and Miscellaneous Labour	9,482 5 5	9,669 - -	186 14 7	- -
SERVICES AND SUPPLIES :				
Purchases and Repair of Furniture, Bedding, and Utensils, &c. for Barracks - - - - -	84,848 17 8	86,500 - -	1,651 2 4	- -
Washing and Repairing Bedding - - - - -	30,944 6 5	25,000 - -	- -	5,944 6 5
Purchase of Paillasse Straw - - - - -	15,047 13 6	15,000 - -	- -	47 13 6
Miscellaneous, comprising Charges for Emptying Cesspools, Sweeping Chimneys, Lime for Sani- tary Purposes, Carriage of Barrack Stores at Out- Stations, and Contingent and unforeseen Expenses	21,168 1 1	27,974 - -	6,805 18 11	- -
FUEL AND LIGHT :				
Cost of Fuel and Light, and Allowance in lieu thereof - - - - -	243,763 8 8	278,537 - - 3,000 - - per Supplemental Estimate.	37,773 11 4	- -
LODGING MONEY :				
Allowances in lieu of Lodging to Staff, Departmental, and Regimental Officers - - - - -	73,580 10 11	80,000 - - 6,000 - - per Supplemental Estimate.	12,419 9 1	- -
Allowances in lieu of Lodging to Married Soldiers -	14,477 14 11	3,000 - -	- -	11,477 14 11
Allowance in lieu of Lodging to Men in Stationary Quarters - - - - -	7,060 2 1	10,000 - -	2,939 17 11	- -
Carried forward - - - £.	540,986 3 3	586,060 - -	62,543 11 7	17,469 14 10

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving is owing to reductions having been effected in the Establishment, and to the Charge for Travelling Expenses having fallen below the amount expected when the Estimates were prepared.

This Saving has been caused by the demand for Extra and Miscellaneous Labour having been less than was anticipated.

This Saving arises from a diminution in the amount of Stores purchased.

This Excess has occurred from the Disbursements during the Financial Year ended the 31st March 1864 exceeding the average taken as the data for the Estimate.

This Excess has resulted from the continued Native Hostilities in New Zealand.

This Saving has principally arisen from the Expenditure on the Items for Carriage of Barrack Stores at Out-Stations, and Contingent and Unforeseen Expenses, having been less than anticipated.

The Prices paid to the Contractors for the supply of Coals, Coke, Candles, and Wood in course of the year 1863-4 were considerably less than those for the prior year, on which the Estimates for the period of this Account were based. The Saving in question has originated in part from this, and in part from arrangements permitting of greater economy in the issues made.

This Saving has arisen from the Increase made upon the Estimate of the previous year, and of the Supplementary Estimate for New Zealand having proved to be in Excess of the requirements of the Service.

These two Items, which necessarily fluctuate in amount, may be considered as equivalent to one, and the Excess has arisen from Charges made against the Items which were not anticipated when the Estimate was framed.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 4—continued.				
BARRACK ESTABLISHMENTS, SERVICES AND SUPPLIES—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Brought forward - - -	540,986 3 3	586,060 - -	62,543 11 7	17,469 14 10
HIRE OF BARRACKS, QUARTERS, &c.:				
Rents, Rates, and Taxes of Barracks, Houses Hired as Quarters, Rifle Ranges, &c. - - - - }	53,867 4 9	{ 42,330 - - 6,000 - - per Supplemental Estimate. }	- - -	5,537 4 9
Supply of Water - - - - -	20,228 4 5	16,247 - -	- - -	3,981 4 5
£.	615,081 12 5	650,637 - -	62,543 11 7	26,988 4 -
Savings, carried to page 3 - -	£. 35,555 7 7		£. 35,555 7 7	

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (see p. 107).

VOTE No. 5.				
DIVINE SERVICE:				
Pay of Commissioned Chaplains to the Forces, and Charges for Chapel Clerks, Orderlies, and others, Allowance in lieu of Servants, Travelling Ex- penses, and Contingencies - - - - }	26,828 4 2	25,494 - -	- - -	1,334 4 2
Allowance to Officiating Clergymen for performing Divine Service to the Troops at Home and Abroad - - - - - }	20,130 18 10	20,479 - -	348 1 2	- - -
Rent of Buildings Hired for the Performance of Divine Service, and Payments for Accommoda- tion in Parochial and other Churches - - - }	571 7 11	124 - -	- - -	447 7 11
£.	47,530 10 11	46,097 - -	348 1 2	1,781 12 1
Excess, carried to page 3 - -	£. 1,433 10 11		£. 1,433 10 11	

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (see p. 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Excess has arisen from the following Services, which were not provided for in the ordinary Army Estimates, but on account of which Parliament made a Supplementary Grant, per Estimate, dated 3d March 1864, Parl. Paper, No. 95, viz. :—

Payments to the Inhabitants of Gallipoli for the occupation of their Houses during the period of the late Crimean War.

Rent of Lands adjoining the Powder Mills at Ballincollig (Cork).

Arrear Rent of Warley Barracks.

Rent of Premises at Hong Kong, in consequence of an Expeditionary Force being employed in China.

Rent of Barrack Accommodation in Canada, owing to the increased Force stationed in that Colony.

Other Expenditure was necessary at Glasgow, the Curragh, Portsmouth, Dublin, Chester, Devonport, and London, to meet Army Contingencies.

This Excess is the result of the Extension of the new Sanitary Arrangements at Home and Abroad.

The Excess is principally owing to the Chaplains serving in China having been granted Allowances at Indian Rates, and from the Expenditure on account of Contingencies being greater than was anticipated.

This Saving has arisen on the Amount provided for Canada.

This Excess arises from Arrears of Rent appertaining to the year 1862-3 having been paid in 1863-4, and from Payments for Extra Accommodation for Troops serving in British North America.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.		ESTIMATE, 1863-64.		EXPENDITURE,			
					Less than Estimate.		More than Estimate.	
VOTE No. 6.								
ADMINISTRATION OF MARTIAL LAW.								
DEPARTMENT OF THE JUDGE ADVOCATE GENERAL:								
Salaries of the Department of the Judge Advocate General; and Charges for the Pay of Housekeeper, Messenger, and Contingent Expenses of the Office	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
	4,301	15 7	4,410	- -	108	4 5	-	-
ESTABLISHMENT OF MILITARY PRISONS:								
Salary of the Inspector General (including Allowance for an Office, Clerk, and to cover Travelling Expenses), and Pay of the Establishment of Military Prisons; Pay of Temporary and Assistant Warders; and Charges for Travelling Expenses; Rent, &c. of Military Prisons, Contingent and Miscellaneous Charges	21,439	5 3	22,852	- -	1,412	14 9	-	-
OTHER SERVICES:								
Expense of Additional Prison Establishments at the Queen's Bench and Fort Elson	1,220	2 3	3,000	- -	1,779	17 9	-	-
Allowance to Acting Judge Advocates, and to Members and Witnesses at Courts Martial (including Travelling Expenses)	7,710	12 -	{ 2,500 - - 5,000 - - per Supplemental Estimate. }		-	-	210	12 -
Subsistence and Expenses on Routes of Deserters, and their Escorts, and Rewards for the Apprehension of Deserters	6,644	4 8	6,000	- -	-	-	644	4 8
Subsistence of Men in Military Prisons, Civil Gaols, and Barrack Cells	28,270	17 7	26,486	- -	-	-	1,784	17 7
Charge for escorting Prisoners to and from Civil and Military Prisons	7,324	12 6	8,000	- -	675	7 6	-	-
Pay of Provost Marshal in China, and Allowances to Non-commissioned Officers acting as Provost Serjeants in Garrison and Barrack Cells; and to Military Police in Garrisons and Camps	6,919	7 4	7,264	- -	344	12 8	-	-
Clothing for Military Prisoners	4,120	8 3	3,000	- -	-	-	1,120	8 3
Stores for Military Prisons	834	10 7	500	- -	-	-	334	10 7
£.	88,785	16 -	89,012	- -	4,320	17 1	4,094	13 1
Deduct,—								
Full Pay of Men confined in Military Prisons, Civil Gaols, and Barrack Cells	68,322	13 1	41,000	- -	27,322	13 1	-	-
£.	20,463	2 11	48,012	- -	31,643	10 2	4,094	13 1

Saving, carried to page 3 - £.27,548 17 1.

£.27,548 17 1.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving resulted from the Salary which lapsed in consequence of the retirement of a Second Class Clerk, and the promotion and appointment of others; and also from the amount charged for Contingencies having been less than in previous years, which formed the basis of the Estimate for 1863-64.

This Saving has originated from the employment of Temporary and Assistant Warders having been less than was expected at the commencement of the Financial Year.

The sum of 3,000 *l.* was voted "on Account" for the purpose of defraying the Expenses incidental to a Scheme for occupying the Prisons named, which was only partially carried into effect.

This Excess has been caused by the Expenses connected with the Trial, by Court Martial, of Lieut. Colonel Crawley, 6th Dragoons, in aid of which Parliament granted a sum of 5,000 *l.* on Supplementary Estimate, dated 22d March 1864, Parl. Paper, No. 95, which proved inadequate.

This Expenditure is of a fluctuating nature, dependent upon the number of Deserters and the distances they have to be conveyed to their Regiments or Prisons. The Estimate is based upon the Expenditure of previous years.

As this Charge is contingent upon the number of Prisoners in each Military Gaol, &c., the Excess of 1,784 *l.* 17 *s.* 7 *d.* has arisen from the Soldiers confined therein having been more than in previous years, on which data the Estimate for 1863-64 was prepared; this Excess will partly account for the large sum realized by the stoppages of pay.

As disbursements under this head of Expenditure are dependent upon the distance which the Escorts may have to travel, this Saving has arisen from short routes.

This Saving is attributed to a less number of Non-commissioned Officers having been employed as Provost Serjeants than heretofore.

Prior to the year 1863-64, the Cost of Clothing for the Military Prisoners was provided in the Vote for Clothing the Army, and the Expenditure became merged therein; in this year, the Expenditure for the Service has been kept distinct, and the item has been charged with the actual value of Clothing issued from Pimlico during the year 1863-64.

The same explanation as the above may be given in regard to the Expenditure on this item; provision was made, prior to this year, under the Votes for Barrack and Military Stores; the Expenditure is now kept distinct, and recorded accordingly.

The Sum of 41,000 *l.*, abated upon the Estimates for 1863-64, was an arbitrary amount founded upon the Prison Statistics of the year 1862-63, while the actual number of Prisoners subsisted during the Financial Year ended 31st March 1864, yielded stoppage of Full Pay to a much larger extent than contemplated.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,											
			Less than Estimate.	More than Estimate.										
VOTE No. 7.														
MEDICAL ESTABLISHMENTS, SERVICES, AND SUPPLIES.														
MEDICAL STAFF:														
Pay of Medical Staff, and charges for Clerks and others, Office Expenses, Allowance in lieu of Ser- vants, and Travelling Expenses - - - - }	95,489 15 4	87,268 - -	- -	8,221 15 4										
GENERAL HOSPITALS:														
Pay of the Establishment at Netley and Woolwich, and charges for Contingencies (including the Ex- penses of the Invalid Depôt at Chatham until the transfer of the same to Netley is completed) - }	5,502 12 4	5,047 - -	- -	455 12 4										
TREATMENT OF LUNATICS:														
Charge for the Care and Maintenance of Lunatic Officers, Non-commissioned Officers, and Men; viz. :—														
	<table><tr><th>Expenditure.</th><th>Estimate.</th></tr><tr><td>£. s. d.</td><td>£. s. d.</td></tr><tr><td>Total Disbursement - -</td><td>11,610 11 8 9,700 - -</td></tr><tr><td>Deduct,—</td><td></td></tr><tr><td>Amount of Half Pay for Officers and Pensions of Non-commissioned Officers and Men - - - }</td><td>7,397 7 7 4,800 - -</td></tr></table>	Expenditure.	Estimate.	£. s. d.	£. s. d.	Total Disbursement - -	11,610 11 8 9,700 - -	Deduct,—		Amount of Half Pay for Officers and Pensions of Non-commissioned Officers and Men - - - }	7,397 7 7 4,800 - -			
Expenditure.	Estimate.													
£. s. d.	£. s. d.													
Total Disbursement - -	11,610 11 8 9,700 - -													
Deduct,—														
Amount of Half Pay for Officers and Pensions of Non-commissioned Officers and Men - - - }	7,397 7 7 4,800 - -													
	4,21 4 1	4,900 - -	686 15 11	- -										
MEDICINES:														
Cost of Medicines, Surgical Instruments, and Car- riage thereof - - - - }	20,250 - 1	{ 17,000 - - 5,000 - - per Supplemental Estimate. }	1,749 19 11	- -										
Allowance to Private Medical Practitioners, and Medical Bills - - - - }	3,977 3 10	{ 3,500 - - 900 - - per Supplemental Estimate. }	422 16 2	- -										
Cost of Meteorological Instruments - - -	339 19 4	400 - -	60 - 8	- -										
Allowance to Compounders of Medicines - -	2,765 17 2	3,000 - -	234 2 10	- -										
PURVEYING:														
Pay of Purveying Staff, and charges for Temporary Clerks, Office Expenses, Allowance in lieu of Ser- vants, and Travelling Expenses - - - - }	24,993 4 -	24,878 - -	- -	115 4 -										
Carried forward - - - £.	157,531 16 2	151,893 - -	3,153 15 6	8,792 11 8										

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Excess has been occasioned—

- 1st. By the continuance of the Expeditionary Force in China, for which no more than 3,343 *l.* was voted, while the Expense of the Medical Staff in that country amounted to upwards of 5,800 *l.*
- 2d. By the conversion of the Regimental Surgeons and Assistant Surgeons of the four West India Regiments and the Line Corps serving in the West Indies, into Staff Officers.
- 3d. By the pay of Medical Officers for Service in India having been charged to this item; the question of Repayment by the Indian Government is now under consideration; if the amount be recovered it will be paid into the Exchequer as an Extra Receipt.

This Excess has been for the most part created by the Expenditure contained in an account for Netley Hospital for March quarter 1863, which was rendered too late to admit of its being introduced into the Parliamentary Account for 1862-63.

This apparent Saving has arisen for the most part from the deduction made in the Estimate for 1863-64, for the amount of Half-pay and Pension having been too small, the actual amount realised since the 1st April 1863 being 7,397 *l.* 7*s.* 7*d.* The Expenditure also exceeded Grant.

This Saving has arisen from the Expenditure on account of New Zealand, for which a Supplementary Grant of 5,000 *l.* was sanctioned, not having been so great as was anticipated.

This Saving has arisen from the Expenditure on account of New Zealand, for which a Supplementary Grant of 900 *l.* was approved, not having been so great as was anticipated.

Meteorological Instruments are only occasionally demanded; a sum on account was voted.

A special Allowance is granted to Non-Commissioned Officers for acting as Compounders; the numbers so employed vary according to the contingencies of the Service.

This Excess has arisen on the Contingent item.

EXPLANATORY STATEMENT of the Sums Expended, " More or Less " than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.			ESTIMATE, 1863-64.			EXPENDITURE,								
							Less than Estimate.			More than Estimate.					
VOTE No. 7—continued.															
MEDICAL ESTABLISHMENTS, SERVICES, AND SUPPLIES—continued.				£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
Brought forward - - -				157,531	16	2	151,893	-	-	3,153	15	6	8,792	11	8
DIETS AND MEDICAL COMFORTS :															
Diets, &c. for Officers and Soldiers, and Charges on account of those for Women and Children, Hospital Orderlies, Nurses, and others, viz. :															

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

These two items should be considered together, as the expenditure on account of the former has, to a certain extent, been merged in the latter; the net Saving on the two items is 5,122*l.* 5*s.* 8*d.*, which may be explained by the Supplementary Grant for 6,500*l.* for New Zealand not being required.

The Estimate for these items was formerly provided under the Votes for Barrack and Commissariat Services; the expenditure in the year 1863-64 has been charged direct to the Medical Vote. The Excess beyond the Grant is mainly attributable to the Insurrection in New Zealand.

This Excess is in consequence of increased accommodation being required at certain Colonial Stations.

The Amount provided for these Services was, prior to this year, estimated under the Barrack Vote; no correct data existed at the period the Estimates for 1863-64 were prepared in regard to the Sums applicable to Hospital Services.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 8.						
DISEMBODIED MILITIA (EFFECTIVE SERVICES).						
INSPECTING STAFF:						
Pay of Inspectors General of Militia, and charges for Allowances in lieu of Servants, Forage, and Lodgings; Pay of Clerks in the Militia Office in Ireland, and Pay of Messengers, Housekeeper, and the Contingent Expenses of the Office in Ireland - -	1,362 16 6	1,473 - -	110 3 6	-	-	-
PERMANENT STAFF:						
Pay - - - - -	189,058 13 8	194,147 - -	5,088 6 4	-	-	-
	Expenditure.	Estimate.				
	£. s. d.	£. s. d.				
Per Establishment - - -	189,058 13 8	195,587 - - 620 - -				
Deduct,—		196,207 - -				
For Pay of Non-Commissioned Officers and Drummers not appointed - - - -	- - -	2,060 - -				
Contingent Allowance to Adjutants - - -	3,637 3 11	3,666 - -	28 16 1	-	-	-
Forage Allowance to Adjutants - - -	5,733 - -	5,804 - -	71 - -	-	-	-
Allowance in lieu of Lodgings, and Fuel, and Light, and Rent of Quarters for the Permanent Staff -	32,228 9 10	31,000 - -	-	-	1,228 9 10	-
Allowance to form a Contingent Fund, at rates from 6 d. to 2 s. per annum, for each Private borne on the Establishment - - - -	3,111 17 1	3,200 - -	83 2 11	-	-	-
Cost of Clothing and Necessaries for the Permanent Staff - - - - -	7,772 7 10	12,400 - -	4,627 12 2	-	-	-
Repair of Quarters for the Permanent Staff - - -	- - -	100 - -	100 - -	-	-	-
Allowance to Serjeant Instructor of Musketry, and the Pay of Fatigue Men - - - -	380 3 6	188 - -	-	-	192 3 6	-
Allowance to Clerks of Lieutenancy - - -	4,541 12 -	4,500 - -	-	-	41 12 -	-
Medical Attendance on the Permanent Staff and their Families - - - - -	6,801 5 7	6,915 - -	113 14 5	-	-	-
Servants' Allowances to Adjutants - - -	2,830 11 -	2,901 - -	70 9 -	-	-	-
Carried forward - - - £.	257,458 - 11	266,294 - -	10,298 4 5	1,462 5 4		

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving has been partly caused by one of the Inspectors General having been in arrear in drawing his pay; and partly from the charge for Messengers and Contingencies falling below the amount expected at the commencement of the financial year.

This Saving is attributable to the vacancies in the ranks of Non-Commissioned Officers and Drummers of the Permanent Staff of the Militia having been larger than contemplated, the aggregate amount of lapsed pay arising therefrom being 7,148*l.* instead of 2,060*l.*, as abated in the Estimates.

This Saving has resulted from the allowance which lapsed during the time which intervened between the vacancies and re-appointments.

The allowance to Adjutants in lieu of forage is contingent upon the possession of horses for the public service; this saving, therefore, arises from certain officers not being able to give the required certificate.

The number of counties recovering Rent for Stores provided by them is increased and is increasing as the county justices become aware that they are entitled thereto under the law. In many cases the accommodation has been provided by counties without remuneration.

This allowance ranges from 6*d.* to 2*s.*; the Saving arises from the charges at the lower rate preponderating in 1863-64.

This Saving has arisen from the Vacancies, provision having been made for the number expected to be effective in the year 1863-64; and from the Cost of Articles of Necessaries having been included in that for the enrolled Volunteers.

This Grant has lapsed in consequence of the quarters for the Permanent Staff not requiring the repairs contemplated.

This Excess arose from the appointment of a large number of Serjeant Instructors of Musketry, and the employment of more fatigue men than was expected when the Estimates for 1863-64 were prepared.

This Excess may be considered the casual difference between Actual and Estimated Expenditure.

The expenditure under this item is dependent upon the number of Non-Commissioned Officers and Drummers employed on the Permanent Staff.

This Saving has accrued from certain officers not employing servants, the allowance being only granted on their certifying that they actually did so.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE,		ESTIMATE,		EXPENDITURE,			
	1863-64.		1863-64.		Less than Estimate.		More than Estimate.	
	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
VOTE No. 8— <i>continued.</i>								
DISEMBODIED MILITIA (EFFECTIVE SERVICES)— <i>continued.</i>								
Brought forward - - -	257,458	- 11	266,294	- -	10,298	4 5	1,462	5 4
PRELIMINARY DRILL OF RECRUITS AND ANNUAL TRAINING.								
Pay of Officers, Non-commissioned Officers, and Privates called up for 14 days' Preliminary Drill, prior to Annual Training - - - - -	-	- -	18,989	- -				
Pay of Officers, Non-commissioned Officers, and Privates called up for 21 days' Annual Training - - - - -	145,105	6 5	-	- -	-	-	6,116	6 5
Estimate.								
Per Establishment - - -	£.	s. d.						
	170,292	- -						
Deduct,— For Vacant Pay of Officers, Non-commissioned Officers and Men non-enrolled or absent - - - - -	-	- -	120,000	- -				
	50,292	- -						
Allowance to Commanding Officers - - - -	423	2 9	358	- -	-	-	65	2 9
Contingent Allowance to Captains - - - -	2,414	8 -	2,000	- -	-	-	414	8 -
Allowance to Adjutants as Acting Paymasters - - -	1,641	3 10	1,500	- -	-	-	141	3 10
Allowance to Quartermasters during Preliminary Drill and Training - - - - -	378	6 6	344	- -	-	-	34	6 6
Mess Allowance to Officers - - - - -	2,814	11 -	2,942	- -	127	9 -	-	-
Allowance in lieu of Forage to Field Officers and Surgeons - - - - -	1,351	9 -	1,400	- -	48	11 -	-	-
Allowance to Volunteer Non-Commissioned Officers assembled at Head-quarters for Instruction prior to the Annual Training - - - - -	5,477	16 2	1,000	- -	-	-	4,477	16 2
Beer Money to Non-commissioned Officers and Men -	10,276	2 2	10,000	- -	-	-	276	2 2
Carried forward - - - £.	427,340	6 9	424,827	- -	10,474	4 5	12,987	11 2

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Excess may be accounted for by the number attending training in 1863-4 being larger than was expected.

These Excesses arose from a short Estimate in respect to the number of Corps and Companies, the payment on account of the allowance to the officers commanding being at 63*s.* per corps for 21 days for 160 regiments, and the contingent allowance to Captains at 2*s.* and 1*s.* 6*d.* per diem, according to the strength for 1228 companies.

The Expenditure under these items depends upon the number of Companies in the payment of the Adjutant.

As the admission of this allowance is contingent upon the number of officers present with the corps during the period of training, this saving has occurred in consequence of the prescribed number not being present in all instances to admit of the regulated charge.

This Saving is merely the difference between actual and estimated expenditure.

The regulations allow officers commanding to call up volunteer non-commissioned officers for instruction for 28 days prior to the assembling for training; and the excess is caused by officers commanding having availed themselves of the power vested in them to a very much larger extent than was anticipated.

This Excess is attributable to the larger number of men who assembled for training than was expected when the Estimate was prepared.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE,	ESTIMATE,	EXPENDITURE,											
	1863-64.	1863-64.	Less than Estimate.	More than Estimate.										
VOTE No. 8.—continued.														
DISEMBODIED MILITIA (EFFECTIVE SERVICES)—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.										
Brought forward - - -	427,340 6 9	424,827 - -	10,474 4 5	12,987 11 2										
ENROLMENT:														
Allowances to and Expenses of Adjutants, Surgeons, and Non-commissioned Officers employed on the duty of Enrolling Volunteers, including the Hire of Rooms for Enrolment - - - - -	9,579 14 9	4,000 - -	- -	5,579 14 9										
Bounty: On Enrolment and Attestation of Volunteers who may be Enrolled in 1863-64 - - - - -	- - -	20,000 - -	- -	- -										
Bounty: On Enrolment and Attestation of the number of Volunteers whose Engagements expired previously to 31 March 1864, and who were expected to re-engage for a second term of Service within the year 1863-64 - - - - -	129,303 3 7	8,000 - -	5,628 16 5	- -										
Bounty: The Balance of, remaining due to such Volunteers after payment of Training Bounty for the year 1863-64 - - - - -	- - -	11,932 - -	- -	- -										
Bounty: Payable at the termination of Training and Exercise - - - - -	- - -	95,000 - -	- -	- -										
Gratuity: Payable at the termination of the Training for Re-enrolled Volunteers - - - - -	10,103 2 9	11,500 - -	1,396 17 3	- -										
PROVISIONS:														
Cost of provisions, viz. - - - - -	6,480 10 1	8,045 - -	1,564 9 11	- -										
	<table><tr><td>Expenditure.</td><td>Estimate.</td></tr><tr><td>£. s. d.</td><td>£. s. d.</td></tr><tr><td>Gross Disbursements - -</td><td>37,772 5 11 54,381 - -</td></tr><tr><td>Deduct:</td><td></td></tr><tr><td>Stoppages from the Pay of Men - - - - -</td><td>31,291 15 10 46,336 - -</td></tr></table>	Expenditure.	Estimate.	£. s. d.	£. s. d.	Gross Disbursements - -	37,772 5 11 54,381 - -	Deduct:		Stoppages from the Pay of Men - - - - -	31,291 15 10 46,336 - -			
Expenditure.	Estimate.													
£. s. d.	£. s. d.													
Gross Disbursements - -	37,772 5 11 54,381 - -													
Deduct:														
Stoppages from the Pay of Men - - - - -	31,291 15 10 46,336 - -													
LODGING:														
Billet Money to Innkeepers for Non-commissioned Officers and Men - - - - -	28,801 9 7	38,500 - -	9,698 10 5	- -										
HOSPITAL EXPENSES:														
Allowances to the Surgeons for Medicines and Attendance - - - - -	1,224 9 7	1,000 - -	- -	224 9 7										
Expense of Hospital Accommodation, &c. - -	892 9 2	300 - -	- -	92 9 2										
CLOTHING:														
Cost of Clothing and Necessaries - - - - -	137,899 19 7	102,000 - -	- -	35,899 19 7										
Carried forward - - £.	751,625 5 10	725,604 - -	28,762 18 5	54,784 4 3										

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont.*

CAUSES OF VARIATION.

This Excess is incidental to the increased number of Volunteers who presented themselves for Enrolment in 1863-64.

{ This Surplus originated from the numbers, &c. under each of the heads into which Bounty is divided in the Estimates, having varied from those expected when that document was submitted to Parliament.

This Saving has arisen from the conditions prescribed in the Militia Regulations having reference to the Grant of this Gratuity not having been complied with by the Volunteers.

This Saving is accounted for by the stoppage from the men for bread and meat, nearly equalling the cost of the supply.

As several Corps of Militia were, when assembled for training in 1863-64, accommodated in Barracks, a less amount was paid to innkeepers during that period.

This Excess has been incidental to a larger number of men assembling for training in 1863-64 than was expected when the Estimates for that year were prepared.

Ditto - - - - - ditto.

{ The Estimate for this service was based upon the number of men who came up for training in the year 1862-63; the number who presented themselves in 1863-64 was upwards of 8,000 in excess of the former year; this, together with the explanation given in regard to the clothing of the Permanent Staff, accounts for this excess of Expenditure beyond the Grants.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 8—continued.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
DISEMBODIED MILITIA (EFFECTIVE SERVICES)—continued.				
Brought forward - - -	751,625 5 10	725,604 - -	28,762 18 5	54,784 4 3
TRAVELLING AND CONVEYANCE:				
Travelling Expenses of Officers, Non-Commissioned Officers and Men, to and from the place of Training }	22,510 12 4	15,500 - -	- -	7,010 12 4
HIRE OF GROUND FOR EXERCISE, &c:				
Hire of Ground for Exercise - - - - -	573 - 8	1,000 - -	426 19 4	- -
Hire of Ground for Rifle Ranges, including Payments to Volunteer Corps - - - - - }	1,300 19 10	1,350 - -	49 - 2	- -
MISCELLANEOUS CHARGES:				
Rewards and Expenses attending the apprehension of Deserters, and the Conviction of Offenders under the Militia Act - - - - - }	2,385 19 5	1,000 - -	- -	1,385 19 5
Allowance to Officers and Non-Commissioned Officers whilst under instruction at Hythe, Fleetwood, and Shoeburyness - - - - - }	1,623 4 7	2,500 - -	876 15 5	- -
Allowance to Serjeant Instructors of Musketry and their Assistant during training, including allowance to Fatigue Men during Target Practice - - }	344 17 4	430 - -	85 2 8	- -
Allowance to Serjeants and Men of the Line, and to Out-Pensioners when employed as Drill Instructors during training - - - - - }	45 2 8	200 - -	154 17 4	- -
Contingent and Unforeseen Expenses - - -	5,077 11 6	3,500 - -	- -	1,577 11 6
£.	785,486 14 2	751,084 - -	30,355 13 4	64,758 7 6
Excess carried to page 3 - - -	£. 34,402. 14. 2.		£. 34,402. 14. 2.	

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (see page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

The increased number of men who came up for Training in 1863-64 will account for this Excess.

} These Savings were produced by the demand being less than was expected.

The Expenditure upon this item is of a very fluctuating nature.

This Saving has been occasioned by a less number of Officers having been sent for instruction to the Schools of Musketry at Hythe and Fleetwood than that estimated for.

} These savings have arisen from the non-employment of the persons mentioned.

As this item of Expenditure could only be provided for by a Grant on account, the Excess declared must be looked upon merely as the difference between the amount of actual and estimated disbursements.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 9. YEOMANRY CAVALRY.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Pay and Forage Allowance of the Permanent Staff -	18,617 8 4	18,309 - -	- -	308 8 4
Expenses of Permanent Duty, Training and Exercise, including Charges for Corps when employed in aid of the Civil Power, and for Expenses of Inspecting Field Officers.	42,555 7 1	47,253 - -	4,697 12 11	- -
Contingent and Clothing Allowance - - -	31,093 15 -	28,350 - -	- -	2,743 15 -
Payments to Clerks of Lieutenancy - - - -	196 11 10	250 - -	53 8 2	- -
£.	92,463 2 3	94,162 - -	4,751 1 1	3,052 3 4
Savings carried to page 3 - - -	£. 1,698. 17. 9.		£. 1,698. 17. 9.	

Copy of Application made to the Treasury, and of Treasury Reply applicable to this Vote (*see* page 107).

VOTE No. 10. VOLUNTEER CORPS.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
STAFF :				
Pay of Staff and Charge for Allowances in lieu of Servants, Forage, Lodging, and Rent of Offices, Allowance for Clerks, Travelling and Miscellaneous Charges.	7,028 1 -	7,228 - -	199 19 -	- -
ESTABLISHMENT :				
Pay and Allowance to Adjutants:—consisting of Pay and Allowances in lieu of Servants, Forage, and Lodgings; Contingent Allowance, at 4/ per Company per annum; Extra Allowance for Travelling; Allowance to cover Inn Expenses when absent on duty; and Allowance whilst undergoing Instruction at the Schools of Musketry at Hythe and Fleetwood, and Actual Travelling Expenses - - - -	80,010 18 9	94,907 - -	14,896 1 3	- -
Pay and Allowance to Serjeants' Instructors:—consisting of Allowances to Serjeants' Instructors of Volunteer Corps; Extra Allowance for acting as Serjeants Major; Allowance in lieu of Forage for Serjeants' Instructors of Mounted Corps; Allowance to Serjeants' Instructors who obtain Certificates at the School of Musketry; Travelling Expenses to and from the Schools of Musketry at Hythe and Fleetwood; Extra Pay and Lodging Allowance of Non-commissioned Officers of the Royal Artillery; and Regimental and Extra Pay and Lodging Allowance of Non-commissioned Officers of Royal Engineers attached to Artillery and Engineer Volunteer Corps - - - -	46,970 15 2	60,311 - -	13,340 4 10	- -
Carried forward - - - £.	134,009 14 11	162,446 - -	28,436 5 1	-

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Excess arose from certain Arrear Claims having been preferred subsequently to the 1st April 1863.

This Saving has been caused by a less Number of Men having attended muster in 1863-4 than was expected when the Estimates for that Year were prepared, and from the services of the Yeomanry Cavalry not having been required in aid of the Civil Power, for which contingency the Estimate had provided.

This Excess has been caused by certain Arrear Claims having come into course of payment after the 1st April 1863.

This Saving is attributable to the less extended employment this Year of the Clerks of Lieutenancy in matters connected with the Yeomanry Cavalry.

This Saving arises from the Charge on account of Travelling and Miscellaneous Expenses, the Staff having been less than was anticipated, Contingencies of this nature being always a very fluctuating item of Expenditure.

This Saving is owing to a provision having been made for the full number of Adjutants expected to be required for the Volunteer Force, while the whole number was not appointed.

This Saving has occurred through the several Volunteer Corps having experienced difficulties in obtaining the services of persons qualified to act as Serjeants' Instructors in sufficient number to complete the Establishment allowed by the regulations.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 10— <i>continued</i> .				
VOLUNTEER CORPS— <i>continued</i> .	£. s. d.	£. s. d.	£. d.	£. s. d.
Brought forward - - -	134,009 14 11	162,446 - -	28,436 5 1	- -
ESTABLISHMENT— <i>continued</i> .				
Capitation Grant of 30 s. to Artillery Volunteers; 20 s. to Light Horse, Engineer, and Rifle Volunteers extra at 10 s., and extra at 4 s. to Administrative Battalions.	152,995 4 6	154,576 - -	1,580 15 6	- -
Travelling Expenses, &c., of Officers of the Army on Volunteer Duties.	1,368 2 11	1,862 - -	493 17 1	- -
Payments to Clerks of Lieutenancy - - -	2,304 9 5	3,000 - -	695 10 7	- -
£.	290,677 11 9	321,884 - -	31,206 8 3	- -
Savings carried to page 3 - -	£. 31,206. 8. 3.		£. 31,206. 8. 3.	

Copy of Application made to the Treasury, and of Treasury Reply applicable to this Vote (*see* page 107).

VOTE No. 11.				
ENROLLED PENSIONERS AND ARMY RESERVE FORCE.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
MILITARY ORGANIZATION OF OUT-PENSIONERS:				
Charges for Allowances to the Enrolled Pensioners and their Officers when assembled for Training and Exercise, and to Officers and Non-commissioned Officers in charge of Arms.	29,954 12 7	40,000 - -	10,045 7 5	- -
Clothing for Enrolled Pensioners - - -	8,631 4 8	8,847 - -	215 15 4	- -
ARMY RESERVE FORCE:				
Annual Allowance to Non-commissioned Officers and Privates enrolled in the Army Reserve Force, and their Pay when assembled for Training and Exercise.	6,760 4 5	7,000 - -	239 15 7	- -
£.	45,346 1 8	55,847 - -	10,500 18 4	- -
Savings carried to page 3 - -	£. 10,500. 18. 4.		£. 10,500. 18. 4.	

Copy of Application made to the Treasury and of the Treasury Reply applicable to this Vote (*see* page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

The allowance of the Capitation Grant to Volunteer Corps was contingent upon the number of Efficientes reported, which number having fallen below the expected quota in 1863-4, explains the variation between Expenditure and Vote for the year 1863-4, in which the new regulations first came into operation.

This Saving has been caused by the Volunteer Corps requiring the Assistance of the Officers of the Army less than was expected when the Estimate for 1863-4 was prepared.

The employment of Clerks of Lieutenancy being of a fluctuating character, no exact Estimate can at any time be made of the amount of their Bills of Costs during an ensuing year. A diminished demand for Legal Aid, therefore, in 1863-4 has resulted in a saving to the extent stated.

This Saving has arisen from the Enrolled Force having been called out for 8 days' Training and Exercise, instead of 12, for which provision was made in the Estimates; and from the number of Pensioners Enrolled not having been equal to the number estimated for.

This Saving is attributable to the number of Pensioners to whom Clothing was supplied falling below that for which provision was made in the Estimates.

The Variation between Estimate and Expenditure in this case was caused by defaulters at the annual muster.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 12.				
MANUFACTURING DEPARTMENTS, AND MATERIALS FOR THE MANU- FACTURE OF WARLIKE STORES.				
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Pay, &c., of Establishments - - - - -	33,992 5 2	35,871 - -	1,878 14 10	- -
Wages of Foremen, Viewers, Artificers, Labourers, and others, including Charge for Police.	419,450 4 -	455,582 - -	36,131 16 -	- -
Materials, consisting of Timber, Fuel, Metals, and Miscellaneous Stores.	415,110 13 8	407,480 - -	- -	7,630 13 8
Machinery :—Charges for the Purchase and Repair of	16,943 7 5	15,315 - -	- -	1,628 7 5
Buildings :—Charges for New Works and Alterations, the Cost of which in some Cases exceeds the sum of 1,000 £., and in others is less.	16,767 15 5	19,308 - -	2,540 4 7	- -
Ditto :—Charges for Ordinary and Current Repairs (Maintenance).	11,897 8 10	14,659 - -	2,761 11 2	- -
Miscellaneous Charges :— Consisting of Payments on Account of the Expenses of the Medical Establish- ment of the Royal Arsenal; the Departmental Schools for Drawing; Allowances in lieu of Lodg- ing, Forage and Servants; Travelling and Miscel- laneous Charges; School and Library of the Ar- senal; Allowance for a Clerk and Actual Travelling Expenses of the Superintendent of the Royal Gun Factories; Officiating Clergymen, &c.; the School at Enfield; Allowance to Superintendent of Gas at Enfield; for Gas at Pimlico; Rent, Taxes, &c.; Al- lowance to the Incumbents at Waltham Abbey and Devonport; Grant to the Parish School at Waltham Abbey; and the Cost of Gas at Waltham Abbey -	7,290 4 1	8,150 - -	859 15 11	- -
£.	921,451 18 7	956,365 - -	44,172 2 6	9,259 1 1
Deduct :				
Value of Stores Manufactured and Supplied to the Indian, Colonial, and other Governments, including the value of those for which Parliament provided Funds under other Votes - - - - -	71,948 19 7	- - -	71,948 19 7	- -
£.	849,502 19 -	956,365 - -	116,121 2 1	9,259 1 1

Savings carried to page 3 - - - - - } £. 106,862. 1.

(See also Explanatory Paper No 1, page 108)

£. 106,862. 1.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

The Cause of this Saving may for the most part be assigned to the alteration in the Establishments for the Royal Carriage Department, Royal Gun Factory, and Laboratory at Woolwich; and to the non-employment in the Department of the Inspector of Works of Temporary Clerks of Works, Draughtsmen, &c., to the extent contemplated, when the Estimates for 1863-4 were prepared. There are certain excesses under this head which are included in this net saving, the largest of which represents the Pay, &c., of a Colonel of Artillery employed in the United States to watch over interests vested in the War Office in respect to a Small Arms Manufactory.

This Saving arises principally upon the Grant for the Expenses of the Royal Gun Factory.

This Excess is attributable to the activity which prevailed in the Royal Carriage Department and Royal Laboratory in the Manufacture of Stores for Colonial Governments, &c., amounting in value to 64,119*l.*, which forms a portion of the sum of 71,948*l.* 19*s.* 7*d.* stated by way of deduction on the opposite page.

This Excess has for the most part been occasioned by the Erection of additional Machinery at the Royal Arsenal, Portsmouth, where it was urgently required.

These Savings represent the Estimated Cost of certain Works, which it has been deemed expedient to abandon or postpone.

This Saving is owing to the fluctuating character of the items comprised in these Miscellaneous Charges.

This Credit, being the Proceeds of the Sale of Stores manufactured for the use of Colonial Governments, &c., and charged against them at prices based upon a Departmental Tariff, is withdrawn, the amount of "Materials," "Wages," and "General Charges," being included in the Expenditure detailed above.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 13.				
MILITARY STORE ESTABLISHMENTS AND EXPENDITURE FOR WARLIKE STORES, PURCHASED FOR LAND AND SEA SER- VICE.				
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
MILITARY STORE STAFF:				
Pay of Establishments, including Charges for Soldier and Civil Temporary Clerks, Office Expenses, Al- lowance in lieu of Servants, and Travelling Ex- penses.	66,337 8 7	66,246 - -	- -	91 8 7
DEPARTMENT OF THE INSPECTOR OF ARTILLERY:				
Pay of Establishment, and Charges for Wages of Viewers, Foremen, and others, Travelling and Con- tingent Expenses.	5,937 8 11	6,240 - -	302 11 1	- -
INSPECTION OF WARLIKE STORES AT FOREIGN STATIONS:				
Pay of Inspectors and their Assistants, including Charges for Clerks.	- - -	1,101 - -	- -	- -
Salaries of Inspectors of Stores, Storeholders, and Pay of Serjeant Conductors.	132,215 17 9	6,546 - -	2,980 2 3	- -
Wages of Artificers, Labourers, and others, employed in the Military Store Establishment.	- - -	127,549 - -	- -	- -
Charge for Metropolitan Police employed at Military Store Stations.	8,467 10 -	8,288 - -	- -	179 10 -
Wages of Masters and Crews of Powder and Store Vessels.	9,846 4 8	9,840 - -	- -	6 4 8
Rents, Rates, &c., of Buildings used as Military Storehouses, Offices, &c.	13,142 4 2	16,093 - - 1,400 - - Supplemental Estimate.	4,350 15 10	- -
Miscellaneous Expenditure connected with Store- houses, &c.	874 10 8	2,000 - -	1,125 9 4	- -
STORES:				
Purchase and Repair of Small Arms - - -	118,505 18 11	105,769 - - 29,300 - - Supplemental Estimate.	16,563 1 1	- -
Purchase of Iron Ordnance and Projectiles - -	58,135 15 2	124,233 - -	66,097 4 10	- -
Purchase of Gunpowder, Saltpetre, Powder Barrels, Hoops, &c.	91,594 10 8	133,658 - -	42,063 9 4	- -
Purchase of Machinery - - - - -	1,541 17 1	3,185 - -	1,643 2 11	- -
Purchase of Camp Equipage - - - - -	24,872 13 3	20,796 - -	- -	4,076 13 3
Purchase of Accoutrements - - - - -	10,815 17 11	28,710 - -	17,894 2 1	- -
Purchase and Repair of Miscellaneous Stores at Home and Abroad.	70,476 7 5	128,659 - -	58,182 12 7	- -
Carried forward - - - £.	612,764 5 2	819,613 - -	211,202 11 4	4,353 16 6

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Excess is attributable to the Contingent or Miscellaneous items of Expenditure being more than was anticipated.

This Saving arises from the non-employment of Viewers, Foremen, and others, to the full extent contemplated when the Estimates for 1863-4 were prepared.

The Expenditure incurred for the Inspection of Warlike Stores and that for Wages has been kept in one Account; the Saving may be considered to have arisen from a less number of Artificers, Labourers, and others, having been employed in the Military Store Establishments than was contemplated.

The Estimate for this item was based upon the Charges for 1862-3, but the requirements of the Military Store Establishments being slightly larger in the subsequent period, this Excess is attributable to the necessities of the Service.

This Excess has been caused by unforeseen circumstances.

This Saving is owing to less extra Store accommodation having been required, which induced the War Department to relinquish tenancy of the Irongate Wharf under the Superintendent of Stores at the Tower, and Buildings in China, the rent of which amounted to 1,060*l*.

This item of Expenditure is of a fluctuating character and dependent upon the requirements of the Store Establishments.

This Saving is owing to 2,518 Muskets having been manufactured at the Royal Small Arms Establishment at Enfield, in consequence of the failure of certain Contractors at Birmingham to fulfil their engagements; and to a few of the liabilities of 1862-3 re-voted on the Estimates for 1863-4 having been paid within the first-mentioned financial period.

This Saving arose in consequence of the patterns of Guns and Projectiles not having been determined upon in time to allow of orders being given to Contractors for the Manufacture of the Guns, the value of which was provided for in the Estimates for 1863-4.

This Saving has resulted from the market price of Saltpetre having been lower in 1863-4 than was expected; and from the Issues from Store of Supplies to Colonial Governments, Volunteer Corps, &c., not being replaced during the financial year 1863-4.

This Saving was caused by the requirements of the Royal Arsenal at Portsmouth, and the Laboratory at Devonport, the expenditure of which was charged against Vote 12.

Extra Purchases for the service of the Troops employed in the suppression of the Native Insurrection in New Zealand led to this Excess.

This Saving is owing to the unsettled state of the Service with reference to Breech-loading and other pattern Arms, it having been considered advisable not to obtain the whole of the supply of Accoutrements provided for in the Estimates for 1863-4.

This Saving is mainly attributed to the transfer from this item of the value of Materials to the debit of the several Manufacturing Departments, Vote 12.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.		ESTIMATE, 1863-64.		EXPENDITURE,			
					Less than Estimate.		More than Estimate.	
VOTE No. 13— <i>continued.</i>	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
MILITARY STORE ESTABLISHMENTS, &c.— <i>continued.</i>								
STORES— <i>continued.</i>								
Brought forward - - -	612,764	5 2	819,618	- -	211,202	11 4	4,853	16 6
Purchase of Materials for Packing - - - -	5,530	18 1	16,651	- -	11,120	1 11	-	- -
Purchase and repair of Vessels and Boats and the cost of Sails, &c.	11,069	9 -	11,605	- -	535	11 -	-	- -
Freight (Coastwise) in the United Kingdom, for the land carriage of Arms and Stores, and for the hire of Vessels, Barges, Hoys, &c.	23,151	1 6	21,200	- -	-	- -	1,951	1 6
£.	652,515	13 9	869,069	- -	222,858	4 3	6,804	18 -
Savings, carried to page 3 - - - £. 216,553. 6. 3.					£. 216,553. 6. 3.			

Copies of Applications made to the Treasury, and of Treasury Replies applicable to this Vote (*see* page 107).

VOTE No. 14.				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD.				
No. 1.—SUPERINTENDING ESTABLISHMENTS.				
Allowance to two Officers of the Royal Engineers, and Salaries of Surveyor, Deputy Surveyor, and Draughtsmen employed at Head Quarters - - -	- - -	{ 4,167 - - }		
Salaries of Civil Establishments, at Home and Abroad; of Deputy Surveyor, Clerks of Works, Clerks, Draughtsmen, Foremen of Works, and Clerks; and Charges for the Pay of Office-keepers, Messengers, and others; Climate and Foreign Pay; Allowance in lieu of Servants at Foreign Stations; Rent, &c. of Engineer Offices, and Office Expenses	78,828 5 10	{ - - - }	1,683 14 2	- - -
£.	78,828 5 10	80,512 - -	1,683 14 2	-
No. 2.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO £.1,000 EACH AND UPWARDS (Part I.)				
FORTIFICATIONS AND MILITARY STORE BUILDINGS:				
<i>Dover:</i>				
Improvement of Defences - - - - -	5 5 -	- - -	- - -	5 5 -
<i>Jersey:</i>				
Re-armament of the Defences - - - - -	2,057 9 11	2,000 - -	- - -	57 9 11
<i>Guernsey:</i>				
Purchase of Land at Alderney - - - - -	285 - 2	- - -	- - -	285 - 2
Carried forward - - - £.	2,347 15 1	2,000 - -	- - -	347 15 1

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*continued.*

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.	TOTAL PAYMENTS to 31 March 1864.	Excess of Expenditure beyond the Total Estimate of the Work.
	£. s. d.	£. s. d.	£. s. d.
This Saving was caused by the demand for Materials for packing having been less in 1863-4 than in 1862-3 on the Expenditure for which the Estimate for the first-mentioned year was based.	—	—	—
The contingent item under this general head, not having been so heavy as in previous years, originated this saving.	—	—	—
This Excess has arisen from the charges for the freight and carriage of Stores having been more expensive than was contemplated.	—	—	—
This Saving is owing to the non-employment of temporary Clerks of Works, Draughtsmen, Foremen of Works, Clerks, and others, to the extent contemplated when the Estimates for 1863-4 were in course of preparation; and to there being a less demand for travelling expenses.	—	—	—
This Charge is for a Surveyor's Fee, which remained outstanding in 1859-60, but was not paid until 1863-4.	280,000 — —	206,910 8 9	—
As the sum of 2,000 <i>l.</i> was voted on account, this Excess arises from the Contractor's bill being more than was expected.	5,000 — —	4,018 8 8	—
{ This Charge represents the value of 13 qrs. 3½ bushels of wheatrents on certain plots of Land required by the War Office for local Defences, the purchase of which could not be effected sufficiently early to admit of the Expenditure being introduced into the Parliamentary Account for 1862-3 — — — — — }	84,000 — —	36,131 11 11	2,131 11 11

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 14— <i>continued.</i>						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>						
No. 2.—NEW WORKS, &c., AMOUNTING TO £. 1,000 EACH AND UPWARDS—(PART I.)— <i>continued.</i>						
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued.</i>						
Brought forward - - -	2,347 15 1	2,000 - -	- - -	- - -	347 15 1	- - -
LONDON :						
Reform of East Face of Tower of London - -	3,119 5 -	3,000 - -	- - -	- - -	119 5 -	- - -
Expenses attending the sale of Barnard's Wharf, Rotherhithe, &c.	559 3 6	- - -	- - -	- - -	559 3 6	- - -
House for Hydraulic Engine, Tower of London -	2,230 1 2	2,000 - -	- - -	- - -	230 1 2	- - -
Fitting Arm Racks at the Tower of London - -	441 17 2	- - -	- - -	- - -	441 17 2	- - -
Chatham :						
Erecting Shell Store at Upnor - - - -	211 9 2	- - -	- - -	- - -	211 9 2	- - -
Newcastle :						
New Powder Magazine - - - - -	986 10 10	3,730 - -	2,743 9 2	- - -	- - -	- - -
Shoeburyness :						
Laying down Railway - - - - -	1,472 2 -	- - -	- - -	- - -	1,472 2 -	- - -
Bermuda :						
Re-armament of the Defences - - - -	1,582 14 3	1,000 - -	- - -	- - -	582 14 3	- - -
Telegraphic communications - - - - -	89 7 6	- - -	- - -	- - -	89 7 6	- - -
Providing additional Expense, Magazines, Shell- filling Rooms, and other accessories to Batteries.	565 2 3	1,000 - -	434 17 9	- - -	- - -	- - -
Naval Storehouses at Ireland Island - - -	75 19 -	400 - -	324 1 -	- - -	- - -	- - -
Carried forward - - - £.	13,681 6 11	13,130 - -	3,502 7 11	4,053 14 10		

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*continued.*

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.	TOTAL PAYMENTS to 31 March 1864.	Excess of Expenditure beyond the Total Estimate of the Work.
	£. s. d.	£. s. d.	£. s. d.
This Excess has been caused by the work having progressed slightly beyond the extent expected at the commencement of the year.	10,000 - -	3,119 5 -	—
(It having been considered advisable to dispose of property belonging to the War Department at Rotherhithe, known as Barnard's Yard, the Lords Commissioners of Her Majesty's Treasury sanctioned a sale by auction, but afterwards allowed the same to be conveyed to the Office of Woods, in order that that Department might receive the purchase-money and grant a further plot of land at Woolmer, by way of consideration or exchange. These charges are incidental to those transactions. See copy of Treasury letters, dated 26th September 1862 and 18th June 1863. (See page 78.)	- -	- -	559 3 6
This Excess represents part of the sum of 450 <i>l.</i> granted by Parliament under Vote 13, Part II., for 1862-63, which was appropriated in aid of the expense incurred in altering the architectural design of the Store Buildings in Hyde Park:—An unprovided Service in 1863-4.	2,000 - -	2,230 1 2	230 1 2
This is an arrear payment on account of 1862-63, which, had the claim been preferred within that year, would have caused an excess beyond grant, notwithstanding the terms of the contract for fitting up the arm racks were favourable.	5,000 - -	5,647 12 8	647 12 8
This sum is an arrear payment of 1862-63, in continuation of the services referred to in the Treasury letter, dated the 21st February 1863. (See pages 39 and 53 of Parliamentary Statement of Savings and Deficiencies for that year.)	3,167 - -	4,009 1 8	842 1 8
This Saving is attributable to circumstances beyond the control of the War Office, which prevented the drawings and specifications for the magazine being completed until the building season was too far advanced to admit of a special contract being entered into during the year 1863-4.	3,730 - -	986 10 10	—
This Expenditure was incurred with the consent of the Lords Commissioners of Her Majesty's Treasury, as expressed in their letters of the 15th March 1864 (page 79), it having been found expedient to erect this work for facilitating the operations connected with experiments against iron-plated targets	- -	- -	1,472 2 -
This Excess has been caused by the re-formation of the terreplein at Fort Victoria and the alterations to several parapets throughout this command, which have involved the execution of a large amount of masonry and earthwork beyond that expected when the Estimates for 1863-4 were prepared	4,500 - -	4,348 6 4	—
(On page 33 of the Parliamentary Statement of Savings and Deficiencies for the year 1862-3, it will be seen that a sum of 1,500 <i>l.</i> was granted for this service, and lapsed in aid of Ways and Means. This charge, therefore, is an arrear which came into course of payment subsequently to the 1st April 1863 as a contingency of the contract for poles required for the telegraph	2,000 - -	89 7 6	—
It having been considered preferable to press on the works connected with the re-armament of the defences at Bermuda, those under this head were suspended:—hence the saving.	5,000 - -	1,232 6 8	—
This Saving occurred in consequence of delay in procuring the necessary labour for the work.	5,822 -	7,079 17 8	1,257 17 8

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 14— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>				
No. 2.—NEW WORKS, &c., AMOUNTING TO £. 1,000 EACH AND UPWARDS—(Part I.)— <i>continued.</i>				
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued.</i>				
Brought forward - - -	13,681 6 11	13,130 - -	3,502 7 11	4,053 14 10
<i>British Columbia:</i>				
Magazine for Naval Ammunition - - - -	1,411 14 4	1,000 - -	- -	411 14 4
<i>Canada:</i>				
Shed on the Queen's Wharf at Quebec, to shelter and store articles	862 6 4	1,450 - -	587 13 8	- -
<i>Cape of Good Hope:</i>				
Store Accommodation at King William's Town -	759 6 -	1,000 - -	240 14 -	- -
<i>Ceylon:</i>				
Store Accommodation - - - - -	816 10 9	1,455 - -	638 9 3	- -
<i>Gibraltar:</i>				
New Works - - - - -	723 1 2	1,000 - -	276 18 10	- -
Alteration to existing Defences, principally to adapt them to a revised armament.	1,701 19 6	3,000 - -	1,298 - 6	- -
Additional Water Supply - - - - -	453 14 8	1,000 - -	546 5 4	- -
Providing additional expense, Magazines, Shell- filling Rooms, and other accessories to Batteries.	1,971 19 8	3,000 - -	1,028 - 4	- -
<i>Malta:</i>				
Re-forming and improving the Defences - - -	2,116 13 2	5,000 - -	2,883 6 10	- -
Magazine for Naval Ammunition - - - -	2,838 17 7	2,621 - -	- -	217 17 7
<i>Mauritius:</i>				
Improvement of Defences - - - - -	19,579 12 10	15,000 - -	- -	4,579 12 10
<i>Nova Scotia:</i>				
Improvement of Defences, Nova Scotia and New Brunswick.	19,875 9 5	15,000 - -	- -	4,875 9 5
Magazine Accommodation - - - - -	3,234 19 1	3,500 - -	265 - 11	- -
Carried forward - - - - £.	70,027 11 5	67,156 - -	11,266 17 7	14,138 9 -

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—continued.

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.			TOTAL PAYMENTS to 31 March 1864.			Excess of Expenditure beyond the Total Estimate of the Work.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
Part of this Expenditure represents an Arrear Charge which came into course of payment in 1863-64, to meet which Parliament, in 1862-63, granted 2,000 <i>l.</i> , subsequently made available in aid of Ways and Means. (See page 43 of Statement of Savings and Deficiencies for that period.)	2,000	-	-	1,411	14	4	-	-	-
This Saving is attributable to a favourable Tender on the part of the Contractor.	1,450	-	-	862	6	4	-	-	-
The Officer commanding the Royal Engineers at the Cape of Good Hope having reported the completion of the work for 1863-64, this Saving is the amount of a claim to be preferred by a Contractor in 1864-65.	5,000	-	-	3,566	16	8	-	-	-
This Saving is mainly caused by the Iron Roofing required for the Store-house in course of erection at Trincomalee not having been dispatched from England prior to the 31st March 1864.	1,455	-	-	816	10	9	-	-	-
This Saving has originated from the delay caused by rough weather, which not only prevented the progress of the work, but in some instances destroyed freshly made-up portions of the Breakwater.	266,000	-	-	243,504	13	9	-	-	-
The Officer commanding the Royal Engineers having reported that he had certified to the completion of the work for the year, this Saving is therefore attributable to the nonpayment to the Contractor until after the 31st March 1864.	25,500	-	-	13,648	10	9	-	-	-
- - - Ditto - - - - ditto - - - -	4,000	-	-	3,766	15	8	-	-	-
This Saving has been caused by the suspension of certain works - -	8,000	-	-	3,914	11	2	-	-	-
This work, connected with levelling Glacis in front of the Right and Left Retrenchment at St. Clements, has not been completed, in consequence of the Contractor being unable to furnish the requisite number of carts for the removal of the rubbish, which circumstance was the reason why there is a saving upon this item - - - - -	196,842	-	-	162,430	15	5	-	-	-
This Excess has been caused by the demand for extra transport for the purpose of conveying materials for this work, the cost of which was sanctioned by the Lords Commissioners of Her Majesty's Treasury in letter dated 17th September 1863, the service being urgent. (See page 79.)	4,621	-	-	4,749	19	11	128	19	11
This Excess was occasioned by a necessity for completing the certain authorised works under this head, as far as practicable, before the termination of the year 1863-64.	202,000	-	-	157,430	15	-	-	-	-
This Excess is attributable to the necessity of proceeding with these works with the utmost expedition, involving the purchase of Stores and Machinery to a considerable amount for facilitating the operations at the commencement of 1864-65.	100,000	-	-	28,765	-	4	-	-	-
The Officer commanding Royal Engineers at this Station having reported the completion of the work, the Saving on this Grant arises from an item which was not paid until after 1st April 1864.	3,500	-	-	3,234	19	1	-	-	-

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
VOTE No. 14— <i>continued.</i>						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>						
No. 2.—NEW WORKS, &c., AMOUNTING TO £. 1,000 EACH AND UPWARDS—(Part I.)— <i>continued.</i>						
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued.</i>						
Brought forward - - -	70,027 11 5	67,156 - -	11,266 17 7		14,138 9 -	
<i>Newfoundland:</i>						
Improvement of the Defences - - - - -	900 10 11	1,000 - -	99 9 1		- - -	
<i>St. Helena:</i>						
Improvement of the Defences - - - - -	2,524 19 2	2,000 - -	- - -		524 19 2	
<i>Various Stations:</i>						
Defences of Harbours of Harwich and Newhaven -	7,176 7 9	12,500 - -	5,323 12 3		- - -	
Defences of Commercial Harbours, including the Humber and Holyhead,	10,114 1 3	17,500 - -	7,385 18 9		- - -	
Altering details of Batteries - - - - -	2,663 2 -	3,000 - -	336 18 -		- - -	
Volunteer Batteries - - - - -	971 9 11	1,000 - -	28 10 1		- - -	
Enfranchisement of Copyhold Property - - -	4,369 2 2	2,500 - -	- - -		1,869 2 2	
<i>Special:</i>						
Services ordered by Governors and Commanders of the Forces, &c. - - - - -	4,463 4 2	- - -	- - -		4,463 4 2	
Special Engineering Services and Repairs, &c., China, New Zealand, &c. - - - - -	1,251 8 1	{ Supplemental Estimate. 12,000 - - }	10,748 11 11		- - -	
TOTAL, Fortifications and Military Store Buildings - - - £.	104,461 16 10	118,656 - -	35,189 17 8		20,995 14 6	
No. 3.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO £. 1,000 EACH AND UPWARDS.						
BARRACKS.						
<i>Aldershot:</i>						
Drainage of Cove Common - - - - -	1,007 2 3	1,000 - -	- - -		7 2 3	
Improving Water Supply - - - - -	2,049 12 10	1,940 - -	- - -		109 12 10	
Providing a Soldiers' Institute - - - - -	1,997 1 5	2,000 - -	2 18 7		- - -	
Alterations to Drainage and Latrines, with a view of utilising the Sewage of the Barracks and Camp.	995 6 5	1,000 - -	4 13 7		- - -	
Carried forward - - - £.	6,049 2 11	5,940 - -	7 12 2		116 15 1	

Subdivision of the Votes, included in the foregoing Statement, together with the Causes of Variation, &c.—*continued*.

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.			TOTAL PAYMENTS to 31 March 1864.			Excess of Expenditure beyond the Total Estimate of the Work.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
This Saving was caused by a favourable contract to supply granite racer curbs.	3,000	-	-	1,677	17	8	—		
This Excess is owing to the increased labour necessary in rendering certain landing places inaccessible, and the blasting of the Landing Rocks at Prosperous Bay.	20,000	-	-	13,060	7	11	—		
This Saving represents the Balance on Contracts for works now in progress, for which a re-vote was taken in the Estimates for 1864-65.	110,000	-	-	26,465	8	9	—		
- - - Ditto - - - ditto - - - - -	450,000	-	-	147,822	7	5	—		
This Saving is attributable to liabilities of 1863-64, not paid until subsequently to the 1st April 1864.	25,000	-	-	23,737	14	11	—		
This Saving arises from the Expenditure for 1863-64 falling short of the amount expected.	—			—			—		
{ This Excess has been occasioned by the enfranchisement of the copyhold of Weedon Manor, which was merely in part provided for in the Estimates for 1863-64, it not being deemed advisable to extend the payment of 3,300 £. over two years. This course has been sanctioned by the Lords of Her Majesty's Treasury, in letter dated 11 May 1863 (page 80) - -	5,000	-	-	4,369	2	2	—		
{ Urgent and unforeseen Services in the Colonies ordered by Governors and Commanders of Forces abroad, and sanctioned by the Secretary of State for War—see detail in Explanatory Paper 2, p. 110, and Supplemental Estimate, dated the 3d March 1864, P. P., No. 95—in which will be seen that Parliament granted a sum of 12,000 £. on account of this special expenditure - - - - -	—			—			—		
This Excess is merely the difference between Actual and Estimated Expenditure.	3,150	-	-	3,152	15	7	2	15	7
This Excess represents a liability of 1862-63, coming into course of payment in 1863-64.	3,400	-	-	4,805	4	11	1,405	4	11
The Officer Commanding the Royal Engineers at this station having reported the completion of this work allotted for the year, the saving in question is a liability of 1863-64, expected to be paid in 1864-65.	2,000	-	-	1,997	1	5	—		
- - - Ditto - - - ditto - - - - -	8,000	-	-	995	6	5	—		

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 14— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>				
No. 3.—NEW WORKS, &c., AMOUNTING TO £.1,000 EACH AND UPWARDS—(Part I.)— <i>continued.</i>				
BARRACKS— <i>continued.</i>				
Brought forward - - -	6,049 2 11	5,940 - -	7 12 2	116 15 1
Aldershot— <i>continued.</i>				
Erecting workshops - - - - -	1,201 15 7	1,200 - -	- - -	1 15 7
Stabling of a more permanent character - - -	76 10 7	- - -	- - -	76 10 7
Additional accommodation for a troop of ^f Royal Engineers.	2,505 7 -	- - -	- - -	2,505 7 -
Chatham :				
Gymnasium - - - - -	2,484 11 10	2,500 - -	15 8 2	- - -
Commissariat Establishment - - - - -	2,497 10 4	2,600 - -	102 9 8	- - -
Hospital for the Wives of Soldiers - - - - -	1,412 17 5	1,300 - -	- - -	112 17 5
Re-appropriation of Fort Pitt and Garrison Hospital, consequent on the removal of the Invalid Dépôt from Chatham to Netley.	995 1 6	1,000 - -	4 18 6	- - -
Erecting Officers' Mess Establishment at Brompton Barracks.	360 3 3	- - -	- - -	360 3 3
Colchester :				
Cavalry Barracks - - - - -	30,006 3 -	30,000 - -	- - -	6 3 -
Re-appropriation of Warley Barracks - - -	4,038 10 10	4,000 - -	- - -	38 10 10
Devonport :				
Additions to Granby Barracks - - - - -	2,997 11 6	3,000 - -	2 8 6	- - -
Dover :				
Dover Citadel Water Supply - - - - -	1,583 1 2	1,000 - -	- - -	583 1 2
Walmer Drainage - - - - -	1,175 5 -	1,320 - -	144 15 -	- - -
Canterbury Water Supply - - - - -	953 19 9	750 - -	- - -	203 19 9
Carried forward - - - £.	58,337 11 8	54,610 - -	277 12 -	4,005 3 8

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*continued.*

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.			TOTAL PAYMENTS to 31 March 1864.			Excess of Expenditure beyond the Total Estimate of the Work.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
This Excess is merely the difference between actual and estimated expenditure.	—			—			—		
This Charge is a liability of 1862-3, which came into course of payment after the 1st April 1863.	40,000	—	—	10,377	2	4	—		
It having been found necessary for the purposes of organization to raise a second troop for the Royal Engineer Train, and as it was not desirable to separate it from the first, already stationed at Aldershot, an increase to the existing stables became imperative; under these circumstances the Lords Commissioners of Her Majesty's Treasury sanctioned this Special Charge in their letter dated 3d August 1863 (page 80) - - - - -	—			—			—		
This Saving represents a claim of a contractor, which came into course of payment after 1st April 1864.	4,300	—	—	4,153	6	9	—		
The Officer Commanding Royal Engineers at this District having reported the completion of this Work, the saving is attributable to a favourable contract.	7,430	—	—	7,729	16	3	299	16	3
This Excess is attributable to the cost of sundry small and urgent services, which were indispensable.	2,900	—	—	2,977	17	—	77	17	—
This Saving is merely the difference between actual and estimated expenditure.	—			—			—		
This Charge represents a liability of 1861-62, coming into course of payment subsequently to 1st April 1863.	4,800	—	—	4,214	14	5	—		
This Excess is merely the difference between actual and estimated expenditure.	80,000	—	—	63,267	19	9	—		
This Excess is attributable to the enlargement of kitchens, &c., which were found to be too limited for present wants.	10,000	—	—	11,169	1	9	1,169	1	9
This Saving is merely the difference between actual and estimated expenditure.	9,800	—	—	5,249	2	10	—		
This Excess has been caused by the necessity of providing an engine-house and boiler at Dover Citadel, under sanction of the Lords Commissioners of Her Majesty's Treasury, as conveyed in letter of the 18th September 1863 (<i>see</i> page 81).	4,500	—	—	5,172	6	6	672	6	6
This Saving has been effected on account of the non-fixing of 36 cast-iron pipes at outfalls, &c.	8,300	—	—	6,663	1	3	—		
In 1860 a trial as to the efficacy of Bitumenized-Paper Pipes was allowed to be made at the Canterbury Barracks, which proved a failure, and necessitated their being taken up and replaced by cast-iron pipes, the cost of which amounted to this Excess, which was sanctioned by the Lords Commissioners of Her Majesty's Treasury, in letter dated 10th September 1863 (page 81) - - - - -	6,900	—	—	4,212	12	5	—		

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,			
			Less than Estimate.		More than Estimate.	
VOTE No. 14-- <i>continued.</i>						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD-- <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
No. 3.—NEW WORKS, &c., AMOUNTING TO £. 1,000 EACH AND UPWARDS—(Part I.)— <i>continued.</i>						
BARRACKS— <i>continued.</i>						
Brought forward - - -	58,337 11 8	54,610 - -	277 12 -		4,005 3 8	
<i>Dover</i> — <i>continued.</i>						
Canterbury Riding School - - - - -	460 13 9	500 - -	39 6 3		- -	
<i>Gravesend :</i>						
Purchase of Land, and Erecting Rifle Ranges, Huts, &c., for 700 Men.	5,831 - 5	6,300 - -	468 19 7		- -	
<i>London :</i>						
New Barracks at Chelsea - - - - -	24,999 3 2	25,000 - -	- 16 10		- -	
Hounslow :—Removing Cooking Houses, Wash- houses, &c., and providing others to suit the increased numbers now accommodated in the Barracks.	1,399 19 11	1,400 - -	- - 1		- -	
<i>Manchester :</i>						
Purchase of Euston Hotel, Fleetwood; Land for Rifle Range, erecting Huts, &c.	4,441 1 9	4,050 - -	- -		391 1 9	
<i>Netley :</i>						
Erecting New Hospital - - - - -	11,917 17 4	7,000 - -	- -		4,917 17 4	
Providing and Laying on Gas - - - - -	225 3 2	127 - -	- -		98 3 2	
Levelling, Planting, &c. of Grounds - - -	1,081 13 3	1,000 - -	- -		81 13 3	
Paving in Front of Hospital - - - - -	1,011 1 3	1,011 - -	- -		- 1 3	
Erecting a Pier - - - - -	- - -	3,000 - -	3,000 - -		- -	
Quarters for Non-Commissioned Officers and Families of Invalids.	2,979 18 1	3,000 - -	20 1 11		- -	
Additions and Alterations required for the Accom- modation of the Medical School.	5,204 7 2	3,000 - -	- -		2,204 7 2	
Quarters and Stabling required for a Detachment of Military Train.	- -	1,500 - -	1,500 - -		- -	
<i>Portsmouth :</i>						
Hilsea, New Hospital - - - - -	4,246 - 4	4,000 - -	- -		246 - 4	
<i>Sandhurst :</i>						
Staff College - - - - -	722 12 3	500 - -	- -		222 12 3	
Carried forward - - - £.	122,858 3 6	115,998 - -	5,306 16 8		12,167 - 2	

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*continued.*

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.	TOTAL PAYMENTS to 31 March 1864.	Excess of Expenditure beyond the Total Estimate of the Work.
	£. s. d.	£. s. d.	£. s. d.
This Saving is the difference between the balance on the contracts for the work completed in 1862-63 and the Vote in 1863-64.	2,146 - -	2,149 17 1	3 17 1
The Officer Commanding Royal Engineers of this District having reported the completion of the Work, the amount of this Saving is a liability to be defrayed in 1864-65.	64,000 - -	58,653 17 4	—
This Saving arises from fractions - - - - -	187,000 - -	230,639 7 11	43,639 7 11
Fractions - - - - -	3,000 - -	1,399 19 11	—
This Excess is the cost of certain necessary Works beyond those for which provision was made in the Estimates under this head, which received the sanction of the Lords Commissioners of Her Majesty's Treasury, per letter, dated 30th September 1863; upon a condition a Saving was effected elsewhere (<i>see</i> page 82) - - - - -	60,000 - -	61,719 9 8	1,719 9 8
As it became very necessary that the Hospital at Netley should be occupied by troops as early as practicable, numerous small services, each small in itself, but amounting in the aggregate to a considerable sum, became important, the Lords Commissioners of Her Majesty's Treasury allowed the postponement of the erection of the Pier, and Quarters and Stabling for the Military Train, &c., for the purpose of enabling the War Department to carry out the object in view. (<i>Vide</i> their Lordships' letter, dated the 8th October 1863, a copy of which will be seen on page 82).	315,541 - -	276,735 1 8	—
	5,923 - -	8,177 13 1	2,254 13 1
	2,100 - -	2,519 3 3	419 3 3
	1,515 - -	1,490 1 3	—
	5,000 - -	—	—
	—	—	—
	—	—	—
	1,500 - -	—	—
This Excess has been caused by the amount paid on the contract for this Work being larger than that expected when the Estimates for 1863-4 were prepared, and also by Extra Services which became necessary in the carrying out of the same.	8,080 - -	8,245 2 7	165 2 7
This Excess partly represents a balance due to the Contractor at the completion of the Staff College; and partly certain payments outstanding under a Triennial Contract for other services of an urgent character.	65,000 - -	85,084 6 9	20,084 6 9

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 14— <i>continued.</i>				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>				
No. 3.—NEW WORKS, &c., AMOUNTING TO £.1,000 EACH AND UPWARDS—(Part 1.)— <i>continued.</i>				
BARRACKS— <i>continued.</i>				
Brought forward - - -	122,858 3 6	115,998 - -	5,806 16 8	12,167 - 2
<i>Sandhurst—continued.</i>				
Increasing the Royal Military College to hold 500 Cadets	408 6 10	- - -	- - -	408 6 10
<i>Shoeburyness :</i>				
For Works - - - - -	129 17 6	- - -	- - -	129 17 6
<i>Woolwich :</i>				
Purchase of Land and erecting Hospital for 650 Patients.	59,981 19 -	60,000 - -	18 1 -	- - -
Hospital for Wives of Soldiers - - - -	2,317 15 3	2,300 - -	- - -	17 15 3
Addition to the Royal Military Academy - -	204 - 9	100 - -	- - -	104 - 9
<i>York :</i>				
Purchase of Land and increasing Barrack accom- modation.	4,966 4 6	5,000 - -	33 15 6	- - -
<i>Scotland :</i>				
Purchase of Land at Paisley, and Boundaries - -	2,515 6 5	3,000 - -	484 13 7	- - -
Restoring Building in Edinburgh Castle for Barracks	1,998 12 5	2,000 - -	1 7 7	- - -
<i>Ireland :</i>				
Conversion of Aldborough House, Dublin, into Com- missariat Establishment.	1,386 9 11	1,300 - -	- - -	86 9 11
<i>Cape of Good Hope :</i>				
Providing additional Accommodation - - -	1,770 17 -	2,000 - -	229 3 -	- - -
<i>Gibraltar :</i>				
Extension of Commissariat Establishment - -	1,940 16 2	2,500 - -	559 3 10	- - -
Drainage and Water Supply - - - - -	2,358 17 5	3,000 - -	641 2 7	- - -
Erection of Huts - - - - -	1,448 8 10	2,000 - -	551 11 2	- - -
<i>Malta :</i>				
Pembroke Barracks, erecting Reading-room, Library, Stores, Cells, &c.	1,634 3 6	1,600 - -	- - -	34 3 6
<i>Nova Scotia :</i>				
Erecting Block of Buildings, viz., Cells, Stores, Hos- pital, Canteen, Tanks, &c., Wellington Barracks.	2,541 - 11	2,000 - -	- - -	541 - 11
Carried forward - - - £.	208,460 19 11	202,798 - -	7,825 14 11	13,488 14 10

Subdivisions of the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*continued.*

CAUSES OF VARIATION.	TOTAL ESTIMATE of the Work.			TOTAL PAYMENTS to 31 March 1864.			Excess of Expenditure beyond the Total Estimate of the Work.		
	£.	s.	d.	£.	s.	d.	£.	s.	d.
It having been represented, by the Military Authority at Sandhurst, that some means should be adopted for warming the sleeping-rooms of the Cadets before the approach of the winter of 1863, an early execution of this work was therefore sanctioned, with the concurrence of the Lords Commissioners of Her Majesty's Treasury. (<i>Vide</i> letter, 18th September 1863, page 83) - - - - -	15,000	-	-	18,244	2	8	3,244	2	8
This Charge represents the balance on a contract for certain works at this station in 1856-57, and is, in fact, an arrear liability coming into course of payment in 1863-64.	6,237	-	-	7,333	7	9	1,096	7	9
This Saving is the difference merely between Estimated and Actual Expenditure.	200,000	-	-	175,672	5	3	—		
This Excess arises from the accidental difference between Estimate and Expenditure.	3,940	-	-	4,868	18	4	928	18	4
This Excess represents a liability of 1862-63, which came in course of payment subsequently to the 1st April 1863.	70,949	-	-	73,503	5	4	2,554	5	4
This Saving is merely the casual difference between Actual Expenditure within the financial year and the sum voted for this work.	40,000	-	-	41,025	3	10	1,025	3	10
This Saving is due to an advantageous purchase of Land - - - - -	3,000	-	-	2,515	6	5	—		
This Saving is merely the difference between Actual and Estimated Expenditure.	5,000	-	-	1,998	12	5	—		
This Excess is attributable to an unfavourable contract, and to Fees paid to a Civil Surveyor, both of which were unavoidable.	1,300	-	-	1,386	9	11	86	9	11
This Saving represents a liability in 1863-64, which came into course of payment subsequently to the 1st April 1864.	—			—			—		
These Savings represent liabilities of the year 1863-64, which came into course of payment subsequently to the 1st April 1864, and the value of certain stores to be consigned from England - - - - -	6,800	-	-	7,178	14	3	378	14	3
	12,000	-	-	4,526	3	11	—		
	21,400	-	-	20,933	-	10	—		
This Excess is the amount of a liability incurred in the year 1862-63, which came into course of payment after the 1st April 1863.	4,600	-	-	4,468	8	6	—		
This Excess has originated from it being found necessary to increase the foundation and drainage, and to add to the lavatories, to lay down water-pipes, and to extend enclosure fence, &c.	29,000	-	-	8,231	18	1	—		

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
VOTE No. 14— <i>continued.</i>				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
No. 3.—NEW WORKS, &c., AMOUNTING TO £1,000 EACH AND UPWARDS—(Part 1.)— <i>continued.</i>				
BARRACKS— <i>continued.</i>				
Brought forward - - -	208,460 19 11.	202,798 - -	7,825 14 11	13,488 14 10
<i>Various Stations:</i>				
Regimental Schools and Chapels - - - -	13,750 12 2	15,000 - -	1,249 7 10	- - -
Military Prisons - - - - -	3,784 16 5	5,000 - -	1,215 3 7	- - -
Married Soldiers' Quarters - - - - -	28,000 8 9	30,000 - -	1,999 11 3	- - -
Sanitary Services - - - - -	30,088 11 10	30,000 - -	- - -	88 11 10
Gas Fitting - - - - -	4,710 15 4	5,000 - -	289 4 8	- - -
Rifle Ranges - - - - -	1,719 8 10	2,000 - -	280 11 2	- - -
Gymnasia - - - - -	229 15 6	- - -	- - -	229 15 6
Purveyors' Services - - - - -	2,957 13 11	3,000 - -	42 6 1	- - -
Erection of Huts and additional accommodation -	34 16 3	- - -	- - -	34 16 3
Machinery - - - - -	643 12 5	1,000 - -	356 7 7	- - -
Constructing Soldiers' Reading Rooms, Day Rooms, &c.	3,566 5 7	4,000 - -	433 14 5	- - -
Contingencies - - - - -	1,518 2 9	2,000 - -	481 17 3	- - -
Urgent and unforeseen Services, ordered by Go- vernors and Commanders of the Forces.	18,026 16 10	- - -	- - -	18,026 16 10
TOTAL, Barracks, Part 1 - - - £.	317,492 16 6	299,798 - -	14,173 18 9	31,868 15 3
No. 4.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £1,000.—(Part 2.)				
FORTIFICATIONS AND MILITARY STORE BUILDINGS.				
<i>Station:</i>				
Aldershot - - - - -	757 18 9	641 - -	- - -	116 18 9
Birmingham - - - - -	4 1 3	234 - -	229 18 9	- - -
Brighton - - - - -	230 18 9	153 - -	- - -	77 18 9
Chatham - - - - -	1,590 16 11	1,012 - -	- - -	578 16 11
Carried forward - - - £.	2,583 15 8	2,040 - -	229 18 9	773 14 5

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

The Expenditure for the several services comprised in the General Head, "Various Stations," is arranged for the most part, as if provided by Parliament in one amount, care being taken that the Grant in the aggregate is not exceeded. In the present instance the Estimate amounts to - - - - - £. 97,000 - -

While the disbursements are only - - - - - 91,004 19 9

Leaving a net surplus upon this entire section of the Vote - - - £. 5,995 - 3

Savings - - - - - £. 6,348 3 10

Excess - - - - - 353 3 7

£. 5,995 - 3

This plan is adopted in consequence of the peculiar and frequently urgent character of the several services which are required to be executed in almost every British Possession (except India).

Urgent and unforeseen Services in the Colonies, ordered by the Governors or Commanders of the Forces, and sanctioned by the Secretary of State for War. (See Explanatory Paper, No. 2, page 110.)

This Excess is owing to the erection of Boundary Stones for marking War Office Property at Woolmer, of Drying Posts at the Military Store Establishment at Aldershot, and to providing Lamps to the last-mentioned, the expense thereof not having been voted by Parliament, although necessary.

This Saving has been caused by the postponement of the construction of two open Gun Sheds on the Landing Wharf at Birmingham.

The addition to the reprovision for Magazine for Blatchington Battery and covering thereto, being indispensable, were the sources of Excess in this instance.

This Excess has resulted from the following necessary Services, which were not provided for in the Estimates for 1863-64, viz.:—Alterations at the Gun Wharf for the security of War Office property; erecting Retaining Walls, &c., at the new Shell Stores, and removing mud from the front of Gun Wharf. There was also a liability on account of the Year 1862-63, which came into course of payment after 1st April 1863.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 14— <i>continued</i> .						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued</i> .						
No. 4.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £. 1,000.—(Part 2.)— <i>contd.</i>						
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued</i> .						
Brought forward - - -	2,583 15 8	2,040 - -	229 18 9	773 14 5		
Station :						
Colchester - - - - -	623 - 7	774 - -	150 19 5	- - -		
Devonport - - - - -	1,953 5 9	2,312 - -	358 14 3	- - -		
Dover - - - - -	894 16 10	1,112 - -	217 3 2	- - -		
Gravesend - - - - -	515 10 6	520 - -	4 9 6	- - -		
Guernsey - - - - -	867 16 9	1,901 - -	1,033 3 3	- - -		
Jersey - - - - -	78 18 6	80 - -	1 1 6	- - -		
London - - - - -	893 1 5	701 - -	- - -	197 1 5		
Manchester - - - - -	13 9 1	13 - -	- - -	- 9 1		
Newcastle - - - - -	45 1 6	51 - -	5 18 6	- - -		
Pembroke - - - - -	80 10 10	3 - -	- - -	77 10 10		
Portsmouth - - - - -	1,721 11 11	1,658 - -	- - -	63 11 11		
Purfleet - - - - -	80 17 8	300 - -	219 2 4	- - -		
Shoeburyness - - - - -	1,906 5 7	2,201 - -	294 14 5	- - -		
Sheerness - - - - -	567 10 9	608 - -	40 9 3	- - -		
Woolwich - - - - -	908 18 7	704 - -	- - -	204 18 7		
„ Royal Arsenal - - - - -	4,520 14 1	4,696 - -	175 5 11	- - -		
Yorkshire - - - - -	93 10 6	- - -	- - -	93 10 6		
Scotland - - - - -	442 19 7	422 - -	- - -	20 19 7		
Ireland :						
Belfast - - - - -	14 1 1	15 - -	- 18 11	- - -		
Cork - - - - -	446 2 11	474 - -	27 17 1	- - -		
Curragh - - - - -	63 - 9	70 - -	6 19 3	- - -		
Dublin - - - - -	871 12 2	886 - -	14 7 10	- - -		
Carried forward - - - £.	20,191 13 -	21,541 - -	2,781 3 4	1,431 16 4		

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Saving has arisen from substituting old material from Store for curbing and surface paving of new pathway at Harwich, and also from a favourable Contract for the Works at Great Yarmouth.

This Saving has resulted from the postponement of the erection of certain Sheds for Batteries at Western King, at Staddon Point, and No. 4 Redoubt Maker; the non-receipt of a crane from Contractor within financial year; and the abandonment of the intention to erect a new Paint Store at the Gun Wharf, Devonport.

This Saving originated from the Works connected with the Revetment with Brickwork of Air Shafts of Cliff Casemates not being carried out to the extent originally contemplated, and a few outstanding liabilities which came into course of payment after 1st April 1864.

This Saving is the difference which may be expected between Estimated and Actual Expenditure.

This Saving was caused by the postponement of certain Works and the abandonment of others, in addition to which there were a few liabilities which came in course of payment subsequently to 1st April 1864.

This difference is the fluctuation between Estimated and Actual Expenditure.

This Excess represents a claim for Service performed in 1862-3, coming into course of payment subsequently to the 1st April 1863, and certain incidental Charges on account of the Tower of London which could not be deferred.

This Difference has been caused by fractions.

This Saving has been occasioned by the cost of increasing the Store Room of Wave Basin Battery, having fallen below the amount expected when the Estimates were prepared.

The construction of a Battery at Ferryside for the Carmarthen Artillery Militia, and a small urgent Service occasioned this Excess.

This Excess has been caused by a liability to the extent of 408 *l.* 10 *s.*, which was incurred in 1862-3, but not paid until after 1st April 1863.

This Saving arises from the postponement or abandonment of certain Works provided for in the sum of 300 *l.*

This Saving is the Estimated Cost of Works which were postponed.

The Officer Commanding Royal Engineers at this Station having reported the completion of the Works connected with the three Shell-filling Rooms, this saving is a lapsed Vote from the Contract having been favourable.

This Excess was caused by certain urgent Services at the Royal Engineer Department, the Rotunda and Grand Dépôt, all of which were unprovided for.

This Saving is attributable to certain Works which it was deemed advisable either to postpone or to abandon.

This is a charge for a special Service for the drainage at Paull, not contemplated when the Estimates for 1863-4 were prepared.

This Excess has been occasioned by the suspension of some Works and substitution of others which were rather more costly.

Fractions.

This Saving is owing to the abandonment of one Service, and the Expenditure for others falling below that expected.

This Saving was produced by a favourable Contract.

This Saving has resulted from the cost of the several Works, which the sum of 886 *l.* was intended to defray, falling below the expected Amounts.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 14— <i>continued.</i>				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>				
No. 4.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £. 1,000—(Part 2.)— <i>cont^d.</i>				
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued.</i>				
Brought forward - - -	20,191 13 -	21,541 - -	2,781 3 4	1,431 16 4
Station :				
Ireland : Limerick - - - - -	14 6 10	7 - -	- -	7 6 10
Africa : West Coast of (Sierra Leone) - - -	65 3 9	79 - -	13 16 3	- -
North American Colonies :				
Canada - - - - -	563 18 11	182 - -	- -	381 18 11
Nova Scotia and New Brunswick - - -	779 4 -	860 - -	80 16 -	- -
Newfoundland - - - - -	541 7 8	478 - -	- -	63 7 8
Bermuda - - - - -	782 17 1	725 - -	- -	57 17 1
Cape of Good Hope - - - - -	285 6 11	524 - -	238 13 1	- -
Ceylon - - - - -	60 14 6	95 - -	34 5 6	- -
China - - - - -	- - -	500 - -	500 - -	- -
Gibraltar - - - - -	2,136 13 2	3,024 - -	887 6 10	- -
Ionian Islands - - - - -	34 18 4	250 - -	215 6 8	- -
Malta - - - - -	1,382 2 6	1,500 - -	117 17 6	- -
Mauritius - - - - -	440 15 7	631 - -	190 4 5	- -
New Zealand - - - - -	- - -	250 - -	250 - -	- -
Jamaica - - - - -	507 17 8	604 - -	96 2 4	- -
Bahamas - - - - -	16 4 -	18 - -	1 16 -	- -
Barbados - - - - -	68 16 7	80 - -	11 3 5	- -
TOTAL { FORTIFICATIONS and MILITARY STORE BUILDINGS—Part II. - } - - £.	27,871 15 6	31,348 - -	5,418 11 4	1,942 6 10

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Excess of Charge is for a Liability of 1862-63, which came into course of payment subsequently to the 1st April 1863.

This Saving has arisen from the postponement of the Erection of an Armourer's Shop near the Military Store Yard, Sierra Leone.

This Excess was caused by it having been found necessary to provide Drains and Sluices for removing the Water in the Ditch at Foot, at the Isle aux Noix, and to erect a Steam-boiler and Heating Apparatus at the Laboratory at Quebec, notwithstanding the Cost was not provided in the Estimates.

This Saving is owing to the Non-consignment of certain Stores from England, prior to the 31st March 1864.

This Excess has been occasioned by the Contract for erecting an additional Magazine at the Signal Hill not being so favourable as expected, and the conversion of a Store Building, D. House, into an Accoutrement Store.

This Excess has arisen from the Claims for Purchase of Land not anticipated when the Estimates were prepared, and from certain Liabilities of 1862-63, which were met by payment subsequently to the 1st April 1864.

This Saving has partly originated from a Suspension of the Works in consequence of the Lieutenant Governor of British Kaffraria disputing the Right of the War Department to erect Buildings on Land not "deeded" thereto; and partly from an objection being taken to a Site first proposed for a Sanitarium at Natal.

This Saving is the result of economical Arrangements on the spot.

This Saving is produced by the Abandonment of the intention to erect a Battery at the West Entrance of the Harbour, Hong Kong.

This Saving has resulted from the Postponement of certain Works, and the Non-consignment from England of the Stores required for others, within the financial year 1863-64.

This Saving is for the most part the Cost of Works Abandoned since the Parliamentary Grants were made.

This Saving represents Liabilities in 1863-64, which are expected to come into course of payment after the 1st April 1864.

This Saving has been caused by a Suspension of the Survey of the War Department Property in various parts of the Island; and also from other circumstances arising from favourable Contracts, &c.

No Charge has been raised in the Books of the War Office against the Vote, in consequence of the postponement of the Works contemplated.

This Saving has arisen in consequence of the Postponement of certain Work, the Cost of which was again introduced into the Army Estimates for 1864-65.

This Saving is the difference between actual and estimated Expenditure.

This Saving is attributable to a favourable Contract.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE			
			Less than Estimate.		More than Estimate.	
VOTE No. 14— <i>continued</i> .						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued</i> .	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
No. 5.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £. 1,000—(Part II.)— <i>contd.</i>						
BARRACKS:						
STATION:						
Aldershot - - - - -	4,646 13 4	5,471 - -	824 6 8	-	-	
Brighton - - - - -	119 8 10	127 - -	7 11 2	-	-	
Chatham - - - - -	2,132 19 1	3,592 - -	1,459 - 11	-	-	
Colchester - - - - -	692 3 2	692 - -	- -	-	3 2	
Devonport - - - - -	222 14 5	551 - -	328 5 7	-	-	
Dover - - - - -	1,114 17 2	1,462 - -	347 2 10	-	-	
Guernsey - - - - -	498 10 2	577 - -	78 9 10	-	-	
Jersey - - - - -	98 9 1	500 - -	401 10 11	-	-	
London - - - - -	2,436 4 10	1,986 - -	- -	-	450 4 10	
Manchester - - - - -	371 3 9	491 - -	119 16 3	-	-	
Netley - - - - -	556 11 5	554 - -	- -	-	2 11 5	
Pembroke - - - - -	68 18 5	380 - -	311 1 7	-	-	
Portsmouth - - - - -	1,402 11 5	1,812 - -	409 8 7	-	-	
Purfleet - - - - -	45 18 8	58 - -	12 1 4	-	-	
Shoeburyness - - - - -	644 3 6	640 - -	- -	-	4 3 6	
Sandhurst - - - - -	1,156 6 3	550 - -	- -	-	606 6 3	
Sheerness - - - - -	34 6 8	36 - -	1 13 4	-	-	
Woolwich - - - - -	1,385 10 5	1,360 - -	- -	-	25 10 5	
Carried forward - - - - £.	17,627 10 7	20,839 - -	4,300 9 -	-	1,088 19 7	

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving arises from the postponement of some and from the economical arrangements with reference to other Works.

It having been considered expedient to economise the Grant for providing Steel Boilers, &c. to Soldiers' Cook-houses during the year 1863-4, for meeting any unforeseen necessity, the Saving in this case has arisen.

This Saving has been caused by the postponement of certain Works to admit of others of a more important character being proceeded with.

This Excess is merely the difference between Estimated and Actual Expenditure.

This Saving arises for the most part from the postponement of the Work connected with the erection of the Shop and Quarter for the Battery Armourer at Devonport, and from other small Services falling below the cost anticipated.

This Saving is attributed to economical arrangements in respect to some, and the abandonment of other Works, which were in contemplation at the commencement of the financial year 1863-4.

This Saving has been partly caused by the substitution of Tar Pavement for the Floor of the Straw Store of the Jersey Barrack Department, instead of Asphalte, and partly from the postponement in the purchase of materials for one Skittle-alley at Fort Beaufort, at Alderney.

This Saving is owing to the provision of "Cell Accommodation" not being carried out to the extent originally contemplated.

It having been found necessary to enlarge the Forge Shed at the Hounslow Barracks, beyond the original intention, and the provision in the Estimates to meet the Expense of extending the Barrack accommodation for 24 instead of 16 houses at the Establishment proving inadequate, the Expenditure for this Station necessarily exceeded the Vote. With reference to the last item, the sanction of the Lords Commissioners of Her Majesty's Treasury was given in letter, date 24th August 1863. (*See p. 84*).

The Triennial Contracts, with reference to the Works of this District, having been favourable, the Expenditure fell below the sum expected :—hence this Saving.

This Excess is merely the difference between Actual and Estimated Expenditure.

This Saving represents the Estimated Cost of converting two Huts into a Barrack Store, and a small advantage upon a Contract for another Work.

This Saving is principally due to the project of increasing the Guard and School accommodation having been carried out in lieu of building a new Guard House at the Gosport Barracks.

This Saving is the amount of a liability belonging to the year 1863-4, which came into course of payment subsequently to the 1st April 1864.

This Excess is merely the difference between Actual and Estimated Expenditure.

This Excess is the amount of a liability on account of the year 1862-3, not paid until after the 1st April 1863, and the cost of Gates and Ash Bins at the Royal Military College.

This Excess is the accidental difference between Estimate and Expenditure.

This Excess has been caused by outstanding liabilities, and a substitution of one description of Store for another in course of execution of the several Works.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,					
			Less than Estimate.			More than Estimate.		
	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
VOTE No. 14— <i>continued.</i>								
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>								
No. 5.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £. 1,000—(Part II.)— <i>cont'd.</i>								
BARRACKS— <i>continued.</i>								
Brought forward - - -	17,627 10 7	20,839 - -	4,300 9 -			1,088 19 7		
STATION— <i>continued.</i>								
Yorkshire - - - - -	157 14 11	161 - -	3 5 1			- - -		
Scotland - - - - -	1,324 9 1	1,438 - -	113 10 11			- - -		
Ireland :								
Belfast - - - - -	18 15 5	166 - -	147 4 7			- - -		
Cork - - - - -	726 6 11	663 - -	- - -			63 6 11		
Curragh - - - - -	606 14 9	396 - -	- - -			210 14 9		
Dublin - - - - -	4,592 16 9	4,767 - -	174 3 3			- - -		
Limerick - - - - -	593 4 1	655 - -	61 15 11			- - -		
Australian Colonies :								
Western Australia - - - - -	18 10 -	76 - -	57 10 -			- - -		
Tasmania - - - - -	163 13 10	234 - -	70 6 2			- - -		
North American Colonies :								
Canada - - - - -	1,307 1 4	1,000 - -	- - -			307 1 4		
Nova Scotia and New Brunswick - - -	1,119 3 6	601 - -	- - -			518 3 6		
Newfoundland - - - - -	518 13 3	473 - -	- - -			45 13 3		
Bermuda - - - - -	230 9 11	229 - -	- - -			1 9 11		
Cape of Good Hope - - - - -	813 19 4	1,000 - -	186 - 8			- - -		
China - - - - -	182 12 4	63 - -	- - -			119 12 4		
Gibraltar - - - - -	531 13 11	480 - -	- - -			51 13 11		
Malta - - - - -	1,707 4 8	1,500 - -	- - -			207 4 8		
Mauritius - - - - -	106 10 1	135 - -	28 9 11			- - -		
New Zealand - - - - -	144 11 4	322 - -	177 8 8			- - -		
St. Helena - - - - -	577 12 8	479 - -	- - -			98 12 8		
Carried forward - - - £.	33,069 8 8	35,677 - -	5,320 4 2			2,712 12 10		

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Saving is merely the difference between Actual and Estimated Expenditure.

This Saving has been occasioned by the non-payment of Contractors' Bills for Services performed in 1863-4, within that year.

This Saving has resulted from the Troops refusing to build a Skittle-alley at the Barracks at Dundalk.

This Excess has been caused by the purchase of materials for a Skittle-alley, the cost of which was not provided for in the Estimates.

This Excess consists of the cost of several urgent Services which could not have been foreseen when the Estimates were prepared.

This Saving has arisen for the most part from an advantageous Contract in respect to one work, and from the non-delivery of Stores by a Tradesman within the financial year 1863-4.

This Saving is attributable partly to the consumption of Stores on hand instead of any being purchased for one Work, and partly from liabilities on account of others not liquidated within the financial year ended 31st March 1864.

This Saving represents the estimated Cost of an abandoned Work.

The officer commanding the Royal Engineers in Tasmania having reported the completion of the Works specified in his Progress Return, this Saving is the amount of liabilities not liquidated in 1863-4.

This Excess is the cost of Cooking Stoves required for the Barracks at London, Canada West, and that of the renewal of Revetment Wall of Military Hospital at Montreal, both of which were considered by the officers on the spot absolutely necessary.

This Excess has been occasioned by the erection of stabling at St. John's, New Brunswick, for 25 horses, which Work was sanctioned by the Lords Commissioners of Her Majesty's Treasury in letter dated 9th September 1863, and by the construction of a new Gun Shed and Military Store at the same Station (*see p. 84*).

This Excess is the Cost of two Cast-steel Boilers and one Cast-steel Oven, with fitments for 100, sent from England, not anticipated when the Estimates for 1863-4 were prepared.

This Excess is merely the difference between Actual and Estimated Expenditure.

This Saving has been effected by the transport and freight of materials for carrying on the Works at this Station having been much less than expected.

This Excess is for the most part on account of special Services found necessary in consequence of the continuance of the Troops in China.

This Excess is the difference between the cost of certain urgent special Works, and the saving upon the cost of voted and authorised Services.

This Excess arose from the necessity of providing additional Tanks at Pembroke Barracks, Malta, and the cost of remedying the dampness at the Powder Magazine at Fort Ricasoli.

This Saving was occasioned by the employment of Military labour, which was less expensive than that performed by civilians.

This Saving is attributable to the employment of Military in place of Civil labour, the former being less expensive.

This Excess is owing to the cost of Stores shipped from England for special but unprovided Services, which became urgent from local causes.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
VOTE No. 14— <i>continued.</i>						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>						
No. 5.—NEW WORKS, ADDITIONS, AND ALTERATIONS, AMOUNTING TO LESS THAN £. 1,000.—(Part II.)— <i>contd.</i>						
BARRACKS— <i>continued.</i>						
Brought forward - - -	33,069 8 8	35,677 - -	5,320 4 2		2,712 12 10	
STATION— <i>continued.</i>						
Jamaica - - - - -	734 6 9	876 - -	141 13 3		- - -	
Bahamas - - - - -	51 5 -	101 - -	49 15 -		- - -	
Honduras - - - - -	8 6 4	15 - -	6 13 8		- - -	
Barbados - - - - -	115 15 11	37 - -	- - -		78 15 11	
Demerara - - - - -	103 - -	103 - -	- - -		- - -	
Trinidad - - - - -	34 9 8	- - -	- - -		34 9 8	
TOTAL BARRACKS—PART II. - - - £.	34,116 12 4	36,809 - -	5,518 6 1		2,825 18 5	
No. 6.—ORDINARY AND CURRENT REPAIRS.—(Part III).						
FORTIFICATIONS AND MILITARY STORE BUILDINGS.						
STATIONS :						
Aldershot - - - - -	300 10 7	180 - -	- - -		120 10 7	
Birmingham - - - - -	681 11 6	695 - -	13 8 6		- - -	
Brighton - - - - -	416 14 3	480 - -	63 5 9		- - -	
Chatham - - - - -	2,236 9 0	1,992 - -	- - -		244 9 9	
Colchester - - - - -	489 15 2	566 - -	76 4 10		- - -	
Devonport - - - - -	2,187 5 1	2,425 - -	237 14 11		- - -	
Dover - - - - -	4,349 - 7	2,971 - -	- - -		1,378 - 7	
Dover Canal - - - - -	90 2 8	1,364 - -	1,273 17 4		- - -	
Exeter - - - - -	20 3 6	20 - -	- - -		- 3 6	
Gravesend - - - - -	345 10 11	361 - -	15 9 1		- - -	
Guernsey - - - - -	1,555 6 4	1,610 - -	54 13 8		- - -	
Jersey - - - - -	1,220 6 4	1,321 - -	100 13 8		- - -	
London - - - - -	2,799 16 5	2,553 - -	- - -		246 16 5	
Manchester - - - - -	281 5 3	370 - -	88 14 9		- - -	
Newcastle - - - - -	279 16 11	541 - -	261 3 1		- - -	
Pembroke - - - - -	110 6 6	221 - -	110 13 6		- - -	
Portland - - - - -	31 9 -	65 - -	33 11 -		- - -	
Portsmouth - - - - -	11,836 7 4	16,985 - -	5,148 12 8		- - -	
Purfleet - - - - -	1,015 2 -	879 - -	- - -		136 2 -	
Shoeburyness - - - - -	1,044 6 3	709 - -	- - -		335 6 3	
Sandhurst - - - - -	153 2 4	163 - -	14 17 8		- - -	
Sheerness - - - - -	1,290 17 3	1,399 - -	108 2 9		- - -	
Woolwich - - - - -	2,974 2 7	2,483 - -	- - -		491 2 7	
Ditto Royal Arsenal - - - - -	3,340 4 10	4,636 - -	1,295 15 2		- - -	
Carried forward - - - £.	39,049 13 4	44,994 - -	8,896 18 4		2,952 11 8	

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

- This Saving is the total of certain liabilities of 1863-4, which did not come into course of payment until after the 1st April 1864.
- This Saving consists of certain liabilities of the year 1863-4, which did not come into course of payment until after the 1st April 1863-4, and also arises from the value of steel ovens purchased in England being less than first anticipated.
- This Saving has arisen from the expense attending the supply and fixing of a stove in Hospital Kitchen being less than was anticipated.
- This Excess was caused by the demand for Special Services, which could not wait until a Grant from Parliament was procured.

This Chargé represents the cost of an urgent Service.

The Expenditure on account of the ordinary and current Repairs to the War Department Buildings at the various Stations at Home and Abroad, is arranged as if provided by Parliament in two Accounts, care being taken that the Grants under Fortifications and Military Store Buildings are not exceeded, or in special cases, where Works are suspended or abandoned, the lapsed Vote is not devoted to other purposes.

In the present instance the state of this part of Vote 14, is as follows :—

HOME :										£.	s.	d.
Amount estimated	-	-	-	-	-	-	-	-	-	49,940	-	-
Disbursements	-	-	-	-	-	-	-	-	-	48,085	9	6
										6,854 10 6		
ABROAD :										£.	s.	d.
Amount estimated	-	-	-	-	-	-	-	-	-	15,057	-	-
Disbursements	-	-	-	-	-	-	-	-	-	11,987	2	6
										3,069 17 6		
TOTAL Saving										£.	9,924	8 -

The Net Saving arises for the most part from certain Works at Portsmouth, the Royal Arsenal at Woolwich, Cape of Good Hope, Ionian Islands, and Jamaica, having been either suspended or abandoned, as before stated.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE			
			Less than Estimate.		More than Estimate.	
	£. s. d.	£. s. d.	£. s. d.		£. s. d.	
VOTE No. 14— <i>continued.</i>						
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>						
No. 6.—ORDINARY AND CURRENT REPAIRS—(Part III.) <i>continued.</i>						
FORTIFICATIONS AND MILITARY STORE BUILDINGS— <i>continued.</i>						
Brought forward - - -	39,049 13 4	44,994 - -	8,896 18 4		2,952 11 8	
STATION :						
Yorkshire - - - - -	195 - 5	242 - -	46 19 7		- -	
Scotland - - - - -	1,405 16 9	1,678 - -	272 3 3		- -	
Ireland :						
Belfast - - - - -	483 4 -	609 - -	125 16 -		- -	
Cork - - - - -	718 14 9	818 - -	99 5 3		- -	
Curragh - - - - -	23 - 6	90 - -	66 19 6		- -	
Dublin - - - - -	1,029 11 3	1,353 - -	323 8 9		- -	
Limerick - - - - -	180 8 6	156 - -	- -		24 8 6	
West Coast of Africa :						
Gambia - - - - -	22 13 9	180 - -	157 6 3		- -	
Sierra Leone - - - - -	117 17 8	100 - -	- -		17 17 8	
Australian Colonies :						
Tasmania - - - - -	16 8 9	80 - -	63 11 3		- -	
Western Australia - - - - -	3 - -	- - -	- -		3 - -	
North American Colonies :						
Canada - - - - -	2,241 12 6	2,825 - -	583 7 6		- -	
Nova Scotia and New Brunswick - - -	1,235 2 9	884 - -	- -		351 2 9	
Newfoundland - - - - -	137 7 10	167 - -	29 12 2		- -	
Bermuda - - - - -	995 1 6	940 - -	- -		55 1 6	
Cape of Good Hope - - - - -	372 6 8	762 - -	389 13 4		- -	
Ceylon - - - - -	240 15 5	284 - -	43 4 7		- -	
China - - - - -	484 4 5	346 - -	- -		138 4 5	
Gibraltar - - - - -	1,328 16 9	1,183 - -	- -		145 16 9	
Ionian Islands - - - - -	319 7 3	1,470 - -	1,150 12 9		- -	
Malta - - - - -	2,481 2 11	2,505 - -	23 17 1		- -	
Mauritius - - - - -	443 11 9	450 - -	6 8 3		- -	
New Zealand - - - - -	80 8 8	125 - -	44 11 4		- -	
St. Helena - - - - -	169 5 8	218 - -	48 14 4		- -	
Jamaica - - - - -	934 15 7	1,865 - -	930 4 5		- -	
Bahamas - - - - -	85 6 2	110 - -	24 13 10		- -	
Honduras - - - - -	- - -	50 - -	50 - -		- -	
Barbados - - - - -	134 13 3	198 - -	63 6 9		- -	
Berbice - - - - -	- - -	10 - -	10 - -		- -	
Demerara - - - - -	99 15 6	105 - -	5 4 6		- -	
St. Lucia - - - - -	- - -	150 - -	150 - -		- -	
Trinidad - - - - -	43 7 9	50 - -	6 12 3		- -	
TOTAL { FORTIFICATIONS and MILITARY STORE BUILDINGS—Part III. } - - £.	55,072 12 -	64,997 - -	13,612 11 3		3,688 3 3	

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

- - - - - See preceding page.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-4.	ESTIMATE, 1863-4.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 14— <i>continued.</i>				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
7.—ORDINARY AND CURRENT REPAIRS.—(Part III.)— <i>continued.</i>				
BARRACKS:				
Stations:				
Aldershot - - - - -	18,383 6 4	18,779 - -	395 13 8	- - -
Birmingham - - - - -	1,937 10 11	1,833 - -	- - -	104 10 11
Brighton - - - - -	1,372 16 4	1,612 - -	239 3 8	- - -
Chatham - - - - -	5,547 8 2	5,795 - -	247 11 10	- - -
Colchester - - - - -	4,260 17 6	4,369 - -	108 2 6	- - -
Devonport - - - - -	2,087 19 1	2,492 - -	404 - 11	- - -
Dover - - - - -	10,663 19 3	9,467 - -	- - -	1,196 19 3
Exeter - - - - -	734 2 8	880 - -	145 17 7	- - -
Gravesend - - - - -	435 4 9	763 - -	327 15 3	- - -
Guernsey - - - - -	867 3 7	941 - -	73 16 5	- - -
Jersey - - - - -	2,127 5 10	2,105 - -	- - -	22 5 10
London - - - - -	7,799 4 9	4,820 - -	- - -	2,979 4 9
Manchester - - - - -	4,064 8 9	4,317 - -	252 11 3	- - -
Netley - - - - -	570 19 1	582 - -	11 - 11	- - -
Newcastle - - - - -	561 - 6	614 - -	52 19 6	- - -
Pembroke - - - - -	1,219 2 7	1,601 - -	381 17 5	- - -
Portland - - - - -	1,430 5 7	1,515 - -	84 14 5	- - -
Portsmouth - - - - -	7,064 4 2	7,550 - -	485 15 10	- - -
Purfleet - - - - -	72 6 -	86 - -	13 14 -	- - -
Shoeburyness - - - - -	411 11 6	754 - -	342 8 6	- - -
Sandhurst - - - - -	2,271 15 10	2,846 - -	574 4 2	- - -
Sheerness - - - - -	588 18 3	726 - -	137 1 9	- - -
Woolwich - - - - -	13,306 14 11	13,239 - -	- - -	67 14 11
Yorkshire - - - - -	1,788 4 9	1,895 - -	106 15 3	- - -
Scotland - - - - -	6,294 6 3	6,522 - -	227 13 9	- - -
Ireland:				
Belfast - - - - -	2,779 12 10	3,323 - -	543 7 2	- - -
Cork - - - - -	6,558 15 7	7,424 - -	865 4 5	- - -
Curragh - - - - -	7,648 11 3	9,274 - -	1,625 8 9	- - -
Dublin - - - - -	13,409 11 8	16,050 - -	2,640 8 4	- - -
Limerick - - - - -	4,627 16 7	4,975 - -	347 3 5	- - -
Various Stations (Whitewashing) - - - - -	- - -	1,000 - -	1,000 - -	- - -
Africa, West Coast of:				
Gambia - - - - -	417 7 4	484 - -	66 12 8	- - -
Cape Coast Castle - - - - -	999 12 2	500 - -	- - -	499 12 2
Sierra Leone - - - - -	502 2 5	584 - -	81 17 7	- - -
Australian Colonies:				
Western Australia - - - - -	103 9 2	145 - -	41 10 10	- - -
Tasmania - - - - -	1,613 5 4	960 - -	- - -	653 5 4
North American Colonies:				
Canada - - - - -	8,302 18 5	6,000 - -	- - -	2,302 18 5
Nova Scotia and New Brunswick - - - - -	4,119 14 5	4,276 - -	156 5 7	- - -
Carried forward - - - £.	146,943 14 3	151,098 - -	11,980 17 4	7,826 11 7

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

The Expenditure on account of the Ordinary and Current Repairs to the War Department Barrack Buildings at the various Stations at Home and Abroad, is arranged as if provided for by Parliament, in two Amounts, care being taken that the Grants in the aggregate are not exceeded, or in special cases where Works are suspended or abandoned, the lapsed Vote is not devoted to other purposes.

In the present instance the state of this part of Vote 14, is as follows:—

HOME:							£.	s.	d.	£.	s.	d.
Estimate	-	-	-	-	-	-	137,149	-	-	6,263	15	-
Disbursements	-	-	-	-	-	-	130,885	5	-			
ABROAD:										302	5	11
Estimate	-	-	-	-	-	-	53,672	-	-			
Disbursements	-	-	-	-	-	-	53,369	14	1			
TOTAL Saving							-	-	-	£.	6,566	- 11

This Saving is attributable to certain Works for which Grants were made being relinquished in favour of others of a more important character, and less costly in the aggregate.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 14— <i>continued.</i>				
WORKS, BUILDINGS, AND REPAIRS AT HOME AND ABROAD— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
7.—ORDINARY AND CURRENT REPAIRS—Part III.)— <i>continued.</i>				
BARRACKS— <i>continued.</i>				
Brought forward - - -	146,943 14 3	151,098 - -	11,980 17 4	7,826 11 7
Stations:				
North American Colonies:				
Newfoundland - - - - -	811 16 8	914 - -	102 3 4	- - -
Bermuda - - - - -	926 3 2	969 - -	42 16 10	- - -
Cape of Good Hope - - - - -	2,992 18 1	4,000 - -	1,007 1 11	- - -
China - - - - -	3,369 10 10	4,049 - -	679 9 2	- - -
Gibraltar - - - - -	5,243 7 6	3,608 - -	- - -	1,635 7 6
Ionian Islands - - - - -	1,084 9 8	2,081 - -	996 10 4	- - -
Malta - - - - -	3,444 8 10	3,500 - -	55 11 2	- - -
Mauritius - - - - -	3,798 15 5	3,844 - -	45 4 7	- - -
New Zealand - - - - -	612 15 2	810 - -	197 4 10	- - -
St. Helena - - - - -	1,190 11 3	1,532 - -	341 8 9	- - -
Jamaica - - - - -	3,285 15 8	3,112 - -	- - -	173 15 8
Bahamas - - - - -	927 1 1	876 - -	- - -	51 1 1
Honduras - - - - -	2,314 15 7	2,428 - -	113 4 5	- - -
Barbados - - - - -	4,164 6 8	4,420 - -	255 13 4	- - -
Berbice - - - - -	- - -	655 - -	655 - -	- - -
Demerara - - - - -	2,446 9 2	2,337 - -	- - -	109 9 2
Trinidad - - - - -	698 - 1	588 - -	- - -	110 - 1
TOTAL—BARRACKS—PART III. - - - £.	184,254 19 1	190,821 - -	16,472 6 -	9,006 5 1

RECAPITULATION.

	£. s. d.	£. s. d.	£. s. d.	£. s. d.
1. SUPERINTENDING ESTABLISHMENT - - -	78,828 5 10	80,512 - -	1,683 14 2	—
NEW WORKS, ADDITIONS AND ALTERATIONS, AMOUNTING TO 1,000 L. EACH AND UPWARDS —PART I.:				
2. FORTIFICATIONS AND MILITARY STORE BUILDINGS	104,461 16 10	118,656 - -	35,189 17 8	20,995 14 6
3. BARRACKS - - - - -	317,492 16 6	299,798 - -	14,173 18 9	31,868 15 3
NEW WORKS, ADDITIONS AND ALTERATIONS, AMOUNTING TO LESS THAN 1,000 L.— PART II.:				
4. FORTIFICATIONS AND MILITARY STORE BUILDINGS	27,871 15 6	31,348 - -	5,418 11 4	1,942 6 10
5. BARRACKS - - - - -	34,116 12 4	36,809 - -	5,518 6 1	2,825 18 5
ORDINARY AND CURRENT REPAIRS—PART III.:				
6. FORTIFICATIONS AND MILITARY STORE BUILDINGS	55,072 12 -	64,997 - -	13,612 11 3	3,688 3 3
7. BARRACKS - - - - -	184,254 19 1	190,821 - -	16,472 6 -	9,906 5 1
£.	802,098 18 1	822,941 - -	92,069 5 3	71,227 3 4
Saving carried to page 3 - - -	£. 20,842 1 11		£. 20,842. 1 11	

Copies of Applications made to the Treasury, and of Treasury Replies, applicable to this Vote as follow; and page 107.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

- - - - - See preceding page.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated,

(7625—94.)

Sir,

War Office, 20 September 1862.

I AM directed by the Secretary of State for War to acquaint you, for the information of the Lords Commissioners of Her Majesty's Treasury, that at the commencement of the year 1857, the War Department purchased certain property at Rotherhithe, known as "Barnard's Yard," for the purpose of establishing thereon a depôt for the reception of military stores, the storehouses at the Tower being at that time in an inconveniently overcrowded state from the arrival of large quantities of stores unexpended during the late Crimean war.

Towards the end of the year 1858 the Department obtained, on lease, certain premises at Pimlico, the acquisition of which obviated the necessity for the retention of the premises at Rotherhithe.

It was then, nevertheless, deemed advisable not to dispose of this property altogether, in case circumstances might arise to render its occupation indispensably necessary.

The property was, therefore, let to yearly tenants at a rental of 500*l.* per annum, with power to terminate the tenancy on giving nine months' notice.

It now appears that the wharf is in a defective state, and that, if retained by the Department, it would be necessary to reconstruct it at a cost of about 3,000*l.*

Sir G. Lewis has again had under his consideration the question of adapting the premises to military store purposes; but, from the close proximity of the wharf to timber yards, he does not think it desirable that it should be used as a permanent depôt for stores.

He would, therefore, propose to dispose of the property by sale, provided a proper price can be obtained for it.

I am, accordingly, to request that you will move their Lordships to give their sanction to the sale of the property referred to.

I am, &c.

(signed) *E. Lugard.*

The Assistant Secretary to
the Treasury.

(7625—95.)

Sir,

Treasury Chambers, 26 September 1862.

WITH reference to your letter of the 20th Instant, relative to the property belonging to the War Department, at Rotherhithe, known as "Barnard's Wharf," I am directed by the Lords Commissioners of Her Majesty's Treasury, to signify to you their Lordships' approval of the proposal of Secretary Sir G. Lewis to dispose of this property by sale, provided a proper price can be obtained for it.

I am, &c.

(signed) *Geo. A. Hamilton.*

Sir E. Lugard, K. C. B.

(7625—109.)

Sir,

War Office, Pall Mall, 15 June 1863.

I AM directed by Earl de Grey and Ripon to apprise you, that he has been in communication with the Office of Woods and Forests, with reference to the exchange of Barnard's Wharf (the sale of which was sanctioned by Mr. Hamilton's letter of 26th September last), for part of the lands at Woolmer, and that Mr. Howard was willing to recommend such exchange, so soon as Earl de Grey had succeeded in finding a purchaser for Barnard's Wharf. I have to inform you that Earl de Grey has succeeded in finding a purchaser for the wharf at the sum of 16,700*l.*, and that the purchase is to be completed on the 29th September next. He has therefore proposed to Mr. Howard that, subject to their Lordship's sanction, the exchange should be made, and the wharf conveyed (subject to the contract) to the Office of Woods, so that Mr. Howard may complete the purchase and receive the purchase money. It is desirable that an early decision should be come to upon the present proposal, as arrangements with the purchaser of Barnard's Wharf will have to be remodelled accordingly.

I am, &c.

(signed) *E. Lugard.*

The Assistant Secretary
to the Treasury.

(7625—112.)

Sir,

Treasury Chambers, 18 June 1863.

WITH reference to your letter of the 15th Instant, relative to the exchange of Barnard's Wharf, Rotherhithe, for land at Woolmer, and stating that a purchaser has been found for the wharf, at the sum of 16,700*l.*, I am directed by the Lords Commissioners of Her Majesty's Treasury to signify to you their Lordships' approval of the proposal of Earl de Grey to effect the exchange with the Office of Woods, and to convey the wharf to that department, so that the Commissioners of Woods may complete the purchase and receive the purchase money.

I am, &c.

(signed) *F. Peel.*

Sir E. Lugard, K.C.B.

under each of the Sub-divisions of the Votes included in the foregoing Statement, &c.—*cont^d.*

(7633—512.)

Sir,

War Office, 13 January 1864.

I AM directed by Earl de Grey and Ripon to request that you will acquaint the Lords Commissioners of Her Majesty's Treasury that the Ordnance Select Committee have brought to his Lordships' notice the difficulty attending the moving of the very heavy guns used in experiments at Shoeburyness, and have recommended that a line of railway be laid down, to facilitate the operations connected with forthcoming experiments against iron-plated Targets. Lord de Grey is of opinion that this service should be performed without loss of time. The estimated cost of the work is 1,500*l.*, which would become a charge against Vote 14, Army Estimates, but as there is no available balance on that vote Lord de Grey would be glad to be favoured with their Lordships' sanction, to defray, temporarily, the cost from savings on Vote 13, 1863—4.

The Assistant Secretary
to the Treasury.

I am, &c.
(signed) *D. Galton.*

(7633—515.)

My Lord,

Treasury Chambers, 15 March 1864.

IN reply to your Lordship's letter of the 8th Instant, requesting a decision with regard to the proposal contained in Captain Galton's letter of the 13th Ult., for the construction of a railway at Shoeburyness, in order to facilitate the moving of the heavy guns to be used in the experiments about to be made at that station, at an estimated cost of 1,500*l.*, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey and Ripon, that my Lords suspended any directions on Captain Galton's letter, proposing that the work in question should be charged to expected savings on Vote 13, because it subsequently appeared that there would be an excess over the aggregate Army Grants for 1863—4. My Lords having lately authorised the presentation to Parliament of a Supplemental Estimate for the expected excess, agree to the construction of the proposed railway at Shoeburyness as an urgent and unforeseen service, but they would be glad to be informed of the manner in which the expenditure will be brought to account.

The Marquess of Hartington, M.P.

I have, &c.
(signed) *F. Peel.*

(Malta, 12—40.)

Sir,

War Office, 10 September 1863.

I HAVE the honour, by direction of Earl de Grey and Ripon, to request the authority of the Lords Commissioners of the Treasury to an expenditure of a sum of 450*l.*, under the following circumstances:—

Provision is made in the Army Estimates, Vote 14, for the continuation of a magazine at Malta for Naval ammunition.

The total Estimate for the work as stated in Estimate 1862-3 (Vote 13), and in that for the present year, is 4,621*l.* In the former year the cost of transport of materials was provided for in the Commissariat Estimates, and the cost thereof charged to Vote 3. It having been decided, in course of last year, to charge the cost of transport required in connection with works, to the Works Vote, the "Total Estimate," and the Votes on account, should have been increased proportionately.

When framing the Estimates for 1863-4 it was omitted to increase the total Estimate for this service, and no provision has in consequence been made for the transport.

As the work is nearly completed, and as it is reported from the station that great inconvenience would result from delay, Lord de Grey requests the sanction of the Lords Commissioners to this additional expenditure of 450*l.*, to be charged to Part I., Vote 14, 1863-4, on which there is an available balance.

The Assistant Secretary
to the Treasury.

I am, &c.
(signed) *E. Lugard.*

(Malta, 12—42.)

Sir,

Treasury Chambers, 17 September 1863.

WITH reference to your letter of the 10th Instant, relative to an excess of 450*l.* which has arisen on the sum provided in the Estimates for the continuation of a magazine at Malta for Naval ammunition, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords approve of this additional expenditure of 450*l.* being charged to Part I., Vote 14, of 1863-4, as proposed in your letter.

Sir E. Lugard, K.C.B.

I am, &c.
(signed) *F. Peel.*

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated,

(General No. 8—278.)

Sir,

War Office, 27 April 1863.

I AM directed to acknowledge the receipt of your letter of the 31st Ultimo, notifying that the Lords Commissioners of Her Majesty's Treasury had no authority to sanction an application from this Department to appropriate 1,000*l.* from savings on Vote 13, 1862-3, in liquidation of the sum of 3,300*l.*, which has been demanded for the copyhold of Weedon Manor, which was in part provided for in the Estimates 1863-4. I am in reply to state, that as 5,000*l.* is shown in the Estimates 1863-4 to be the total cost of the Enfranchisement of the Copyhold Property of the Department, the Secretary of State for War proposes, with their Lordships' sanction, to defray, from savings on Vote 14, any excess of expenditure on this service, beyond the 2,500*l.* voted for the current year. The amount required to be re-provided in the Estimates 1864-5, will of course be reduced to the extent to which the present proposal may be adopted.

The Assistant Secretary to
the Treasury.

I have, &c.
(signed) *D. Galton.*

(General No. 8—283.)

Sir,

Treasury Chambers, 11 May 1863.

WITH reference to your letter of the 27th Ult., relative to the Enfranchisement of the Copyhold Property of Weedon Manor, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you that my Lords approve of the proposal of the Secretary of State for War, to defray, from savings on Vote 14 of 1863-4, any excess of expenditure upon the Enfranchisement of the Copyhold Property of the War Department, beyond the sum of 2,500*l.* voted for the current year.

Captain D. Galton, R.E.,
&c. &c.

I am, &c.
(signed) *F. Peel.*

(Aldershot, 2—3665.)

Sir,

War Office, 24 July 1863.

A SUM was provided, in the Estimates of 1863-4, for the addition of a troop to the Royal Engineer Train. It is now found necessary, for purposes of organisation, that this second troop to be raised should not be separated from the one already existing, and that both troops should be stationed at Aldershot, where peculiar facilities exist for the acquisition of a knowledge of the duties, which the force will be required to perform, in connection with the Army. To enable this arrangement to be carried out, it is essentially necessary that the existing stables should be increased, and their drainage and paving, which are in an unsatisfactory state, improved; for these purposes it is estimated that a sum of 2,500*l.* will be required. I am, therefore, to request that the sanction of the Lords Commissioners of Her Majesty's Treasury may be obtained for proceeding with this service, and charging 2,500*l.* to Vote 14. I am to state that Lord de Grey anticipates that the cost will be covered by savings on the sum taken for the Engineer Train in Vote 1, owing to delay in completing the organisation of the Train. The saving from this cause amounted on 30th June last to 2,842*l.* 14*s.* 3*d.*

The Assistant Secretary
to the Treasury.

I am, &c.
(signed) *E. Lugard.*

(Aldershot, 2—3730.)

Sir,

Treasury Chambers, 3 August 1863.

IN reply to your letter of the 24th Ult., I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords approve of the proposed expenditure of 2,500*l.* (to be charged to Vote 14), in providing the additional stabling at Aldershot required for the Royal Engineer Train.

Sir E. Lugard, K.C.B.

I am, &c.
(signed) *G. Arbuthnot.*

under each of the Sub-divisions of the Votes included in the foregoing Statement, &c.—*continued.*

(Dover, 2—1561.)

Sir,

War Office, 12 September 1863.

I AM directed by the Secretary of State for War to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an expenditure of 550*l.*, in excess of the sum allowed in Barrack Annual Estimate 1863—4, for providing an Engine and Boiler-house at Dover Citadel. This additional expenditure is necessary to complete the works already authorised, and it was intended to provide for the same in the Estimates for 1864—5. It would be detrimental to the work if it were allowed to remain in an unfinished state during the winter, and under these circumstances Earl de Grey proposes, with their Lordships' sanction, to authorise the immediate execution of the work. I am to point out that, towards meeting this expenditure, a saving of 500*l.* will be effected in consequence of the Reserve sum on the Canterbury Riding School, provision for which was made in the present year's Estimates, having been paid before the close of the financial year; and it is anticipated that a further saving of 125*l.* will arise on the amount allowed for drainage at Walmer.

Assistant Secretary to the
Treasury.

I am, &c.
(signed) *E. Lugard.*

(Dover, 2—1596.)

Sir,

Treasury Chambers, 18 September 1863.

WITH reference to your letter of the 12th Inst., I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords approve of an expenditure of 550*l.* in excess of the sum allowed in Barrack Annual Estimate 1863—4, for providing an Engine and Boiler-house at Dover Citadel, this expenditure being met by savings on other items in the said estimate.

Sir E. Lugard, K.C.B.

I am, &c.
(signed) *F. Peel.*

(Canterbury, 2—699.)

Sir,

War Office, 17 August 1863.

I AM directed by the Secretary of State for War to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an expenditure of 405*l.*, in providing iron pipes for the supply of water to the Barracks at Canterbury.

In explanation as to the cause of this outlay, I am to state, for their Lordships' information, that in 1860, when improving the water supply of the barracks generally, at that station, it was decided to make a trial, to a certain extent, of a description of pipe then recently invented, and apparently economical in cost, termed the Patent Bitumenized Pipes. In connection with the service, these pipes have, however, proved to be unequal to the service required of them. To such an extent has this failure occurred, that the greater portion of them must be at once taken up and replaced by iron pipes, as at present their condition is such as to necessitate the water being cut off.

The company which worked the patent has since failed, so that no redress can be obtained in that quarter; under these circumstances, Earl de Grey is of opinion that it would be advantageous to the public service to incur the above expense of 405*l.*, in at once substituting iron pipes, and proposes, with their Lordships' sanction, to charge the amount to Vote 14. As much inconvenience results from the water supply being necessarily cut off, the favour of an early reply is specially requested.

The Assistant Secretary to the
Treasury.

I am, &c.
(signed) *E. Lugard.*

(Canterbury, 2—709.)

Sir,

Treasury Chambers, 10 September 1863.

THE Lords Commissioners of Her Majesty's Treasury have had before them your letter of the 1st Instant, requesting the approval of this Board of an expenditure of 405*l.* in providing iron pipes for the water supply to the barracks at Canterbury, and their Lordships have directed me to acquaint you, for the information of Earl de Grey, that they approve of this expenditure, and of the amount being charged to Vote 14.

Sir E. Lugard, K.C.B.

I am, &c.
(signed) *F. Peel.*

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated,

(Preston, 2—814.)

Sir,

War Office, 23 September 1863.

I AM directed by Earl de Grey and Ripon to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an expenditure of 486*l.*, in excess of the sum of 4,050*l.*, provided in Vote 14, Part I., of this year's Estimates for Barrack Works at Fleetwood.

I am to state that, in the preparation of those Estimates, each item was put down at the lowest possible amount, on account of the necessity which then existed for reducing the Estimates as far as possible; and the above sum of 4,050*l.* was inserted for the works at Fleetwood, which it was then thought would be just sufficient to meet the charges of the year.

It is now found requisite, however, to provide 486*l.* in addition for these works.

This sum will be chargeable to the above quoted item for works at Fleetwood; but foreseeing some time since the probability of this excess, the Secretary of State had caused an equal amount to be reserved out of the Grant for Contingencies in Vote 14, Part I., from which it can be defrayed, and it is to this course that I am now to request their Lordships' sanction.

The Assistant Secretary to the
Treasury.

I am, &c.
(signed) *E. Lugard.*

(Preston, 2—825.)

Sir,

Treasury Chambers, 30 September 1863.

WITH reference to your letter of the 23d Instant, requesting the sanction of the Board to an expenditure of 486*l.* in excess of the sum of 4,050*l.*, provided in Vote 14, Part I., of this year's Estimates for Barrack Work at Fleetwood, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords approve of this excess being defrayed as proposed, from the sum reserved out of the Grant for Contingencies in Vote 14, Part I.

Sir E. Lugard, K. C. B.

I am, &c.
(signed) *Geo. A. Hamilton.*

(Netley, 2—401.)

Sir,

War Office, 23 September 1863.

IN connection with the letter from this office, of the 29th April last, and your reply, dated 11th May, relative to certain expenditure at the Royal Victoria Hospital, Netley, I am directed by Earl de Grey and Ripon to state, for the information of the Lords Commissioners of Her Majesty's Treasury, that in consequence of the various services which it has been and is found necessary to execute, in order to render the buildings fit for occupation, as stated in the above letter, it is anticipated that a total excess of 6,000*l.* will arise on the sum voted for the Hospital in this year's Estimates. The services in question have been numerous, each small in itself, but uniting in the aggregate to this sum. In this amount are included the two services sanctioned by their Lordships in the above quoted letter. In order to meet this expenditure, Lord de Grey proposes to postpone for the present the following services at Netley Hospital, for which a sum of 4,500*l.* has been provided in this year's Estimates, viz., Erection of Pier, 3,000*l.*; Military Train Stabling, 1,500*l.*

I am now to request their Lordships' sanction to this expenditure being charged to the amount provided for the erection of the Hospital in Vote 14, Part I., and to this mode of partially temporarily defraying it. Should other funds appear in the course of the year to be available, the Secretary of State may hereafter request their Lordships' sanction to apply them to meet this expenditure, as it would be desirable that the pier and stabling at Netley should be proceeded with if practicable.

The Assistant Secretary to the
Treasury.

I am, &c.
(signed) *E. Lugard.*

(Netley, 2—411.)

Sir,

Treasury Chambers,
1 October 1863.

WITH reference to your letter of the 23d Ultimo, stating that a total excess of 6,000*l.*, including sums sanctioned in the letter of this Board, of 11th May last, will arise on the sum voted for the Royal Victoria Hospital at Netley, in this year's Estimates, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you for the information of Earl de Grey, that my Lords approve of the services at Netley Hospital being postponed,

under each of the Sub-divisions of the Votes included in the foregoing Statement, &c.—*continued.*

postponed, for which the sum of 4,500 *l.* has been provided in this year's Estimates, and of the application of that sum as proposed, towards temporarily defraying the above mentioned excess of 6,000 *l.*; on condition that steps shall be taken to postpone other services provided for in Vote 14, to meet the total amount of the excess of expenditure on Netley Hospital as now stated.

Sir E. Lugard, K. C. B.

I am, &c.
(signed) *G. A. Hamilton.*

(7611—2219.)

Sir,

War Office, 11 September 1863.

I AM directed by Earl de Grey and Ripon to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an expenditure of 295 *l.*, for introducing a warming apparatus into the buildings recently erected for Gentlemen Cadets at the Royal Military College, Sandhurst.

This service was not included in the contract for the erection of the buildings; but it is now represented by the military authorities to be essential that some means should be adopted for warming the sleeping rooms of the Cadets, and as the work should be performed before the approach of winter, I am to request their Lordships' sanction to the early execution of the service.

It is proposed to charge the expenditure to Vote 14, Part I, "Increasing Royal Military College, Sandhurst," and to defray the same out of anticipated savings, on the item for Incidental Services, in Part III. of the same Vote.

The Assistant Secretary to
the Treasury.

I am, &c.
(signed) *E. Lugard.*

(7611—2241.)

Sir,

Treasury Chambers, 18 September 1863.

THE Lords Commissioners of Her Majesty's Treasury have had before them your letter of the 11th Instant, requesting their approval to an expenditure of 295 *l.* for introducing a warming apparatus into the buildings recently erected for Gentlemen Cadets at the Royal Military College, Sandhurst, and their Lordships have directed me to acquaint you, for the information of Earl de Grey, that they approve of this expenditure, and of its being charged to Vote 14, Part I, "Increasing Royal Military College, Sandhurst," and of the same being defrayed out of the anticipated savings on the item for Incidental Services in Part III. of the same Vote.

Sir E. Lugard, K. C. B.

I am, &c.
(signed) *F. Peel.*

(Hounslow, 2—409.)

Sir,

War Office, 14 August 1863.

I AM directed by the Secretary of State for War to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an excess of 440 *l.* 17 *s.* 2 *d.*, which has been incurred on the amount provided in Vote 14, Part II., of the Barrack Estimate, 1863-4, for the erection of Infirmary Stables and Horse Boxes at Hounslow Barracks.

In explanation of this excess, I am to observe that it was originally intended to provide this species of accommodation for 16 horses, and the estimate was framed accordingly. It was afterwards, however, considered that this proportion would be insufficient for the construction of the barracks, and accommodation for 24 horses was therefore authorised and provided.

By an oversight, however, the item in the Barrack Estimates was not revised to meet the additional work, and this excess on the amount allowed, has arisen in consequence of this omission.

It is proposed, with their Lordships' sanction, to charge the amount to Vote 14, Part II., the same being defrayed out of savings which have accrued on the Vote generally.

The Assistant Secretary to
the Treasury.

I am, &c.
(signed) *E. Lugard.*

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated,

(Hounslow, 2—430.)

Sir, Treasury Chambers, 24 August 1863.
THE Lords Commissioners of Her Majesty's Treasury have directed me to acquaint you, for the information of Earl de Grey and Ripon, that my Lords approve of the excess of 440 *l.* 17 *s.* 2 *d.*, which has been incurred on the amount provided in the Estimate for the erection of Infirmary Stables, &c. at Hounslow Barracks, being defrayed out of the savings which may accrue on the Vote generally, as proposed in your letter of the 14th instant.

Sir E. Lugard, K. C. B.

I remain, &c.
(signed) *F. Peel.*

(New Brunswick, 2—153½.)

Sir, War Office, 27 August 1863.
I AM directed by Earl de Grey and Ripon to request the sanction of the Lords Commissioners of Her Majesty's Treasury to an expenditure of 300 *l.* for providing stabling for 25 horses at St. John's, New Brunswick.

This expenditure has become necessary in consequence of its having been decided to complete the Field Battery, 8th Brigade R. A., now at that station, to an establishment of 94 horses, for 25 of which there is no stabling at present available.

This expenditure will be chargeable to Vote 14, Part II., and as it is doubtful whether there will be funds available on that Vote to meet the charge, Earl de Grey proposes, with their Lordships' sanction, to defray it temporarily out of savings which are anticipated on Vote 12.

The Assistant Secretary to the Treasury.

I am, &c.
(signed) *E. Lugard.*

(New Brunswick, 2—155.)

Sir, Treasury Chambers, 9 September 1863.
IN reply to your letter of 27th Ultimo, I am directed by the Lords Commissioners of Her Majesty's Treasury to convey to you, for the information of Earl de Grey, their Lordships' approval of the expenditure of 300 *l.* to provide stables for 25 horses at St. John's, New Brunswick, the sum to be chargeable to Vote 14, Part II., and to be temporarily defrayed out of savings on Vote 12.

Sir E. Lugard, K. C. B.

I am, &c.
(signed) *F. Peel.*

(General No. 2—3341.)

Sir, War Office, 6 August 1863.
I AM directed by Earl de Grey to transmit to you, for the sanction of the Lords Commissioners of Her Majesty's Treasury, the enclosed returns for urgent services for the quarter ended 30th June 1863, amounting to 12,643 *l.*

The Assistant Secretary to the Treasury.

I am, &c.
(signed) *D. Galton.*

(General No. 2—3386.)

Sir, Treasury Chambers, 3 September 1863.
THE Lords Commissioners of Her Majesty's Treasury have directed me to signify to you, for the information of Earl de Grey and Ripon, their Lordships' approval of the returns of Urgent Services, for the quarter ended 30th June 1863, amounting to 12,643 *l.*, which were enclosed in your letter of the 6th Ultimo.

Captain Galton,
&c. &c. &c.I am, &c.
(signed) *F. Peel.*

under each of the Sub-divisions of the Votes included in the foregoing Statement, &c.—*continued.*

(General No. 2—3444.)

Sir, War Office, 18 November 1863.
I AM directed by Earl de Grey and Ripon to transmit to you, for the sanction of the Lords Commissioners of Her Majesty's Treasury, the enclosed returns for Urgent Services, for the quarter ended 30th September 1863, amounting to 16,120 *l.*

The Assistant Secretary to the Treasury.

I am, &c.
(signed) *D. Galton.*

(General No. 2—3463.)

Sir, Treasury Chambers, 7 December 1863.
THE Lords Commissioners of Her Majesty's Treasury have had before them the returns, enclosed in your letter of the 18th ultimo, of Urgent Services for the quarter ended 30th September 1863, amounting to 16,120 *l.*; and their Lordships have directed me to acquaint you, for the information of Earl de Grey and Ripon, that they approve of the payments comprised in these returns.

Captain Galton,
&c. &c. &c.

I am, &c.
(signed) *F. Peel.*

(General No. 2—3540.)

Sir, War Office, 30 January 1864.
I AM directed by Earl de Grey and Ripon to transmit to you, for the sanction of the Lords Commissioners of Her Majesty's Treasury, the enclosed returns of Urgent Services for the quarter ended 31st December last, amounting to four thousand, six hundred and seventy-seven pounds (4,677 *l.*)

The Assistant Secretary to
the Treasury.

I have, &c.
(signed) *D. Galton.*

(General No. 2—3560.)

Sir, Treasury Chambers, 10 February 1864.
THE Lords Commissioners of Her Majesty's Treasury have had before them the returns enclosed in your letter of the 30th Ultimo, of urgent services for the quarter ended 31st December 1863, amounting to 4,677 *l.*; and their Lordships have directed me to acquaint you, for the information of Earl de Grey and Ripon, that they approve of the payments comprised in these returns.

Captain Galton, &c. &c. &c.

I am, &c.
(signed) *G. A. Hamilton.*

(General No. 5—3773.)

Sir, War Office, 28 May 1864.
I AM directed by Earl de Grey and Ripon to transmit to you, for the sanction of the Lords Commissioners of Her Majesty's Treasury, the enclosed returns of Urgent Services for the quarter ended 31st March last, amounting to 13,494 *l.*

The Assistant Secretary to
the Treasury.

I am, &c.
(signed) *D. Galton.*

(General No. 5—3788.)

Sir, Treasury Chambers, 11 June 1864.
WITH reference to your letter of the 28th Ultimo, enclosing returns of Urgent Services for the quarter ended 31st March last, amounting to 13,494 *l.*, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords approve of this expenditure.

Captain Galton, &c. &c. &c.

I am, &c.
(signed) *F. Peel.*

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE,	ESTIMATE,	EXPENDITURE	
	1863-64.	1863-64.	Less than Estimate.	More than Estimate.
VOTE No. 15.				
MILITARY EDUCATION:	£. s. d.	£. s. d.	£. s. d.	£. s. d.
THE COUNCIL OF MILITARY EDUCATION:				
Charges for Establishment, Travelling Expenses of Examiners, and Contingencies; Travelling Expenses of the Council in visiting Army Schools, and the Pay of Examiners	7,529 11 10	8,174 - -	644 8 2	- - -
ROYAL MILITARY ACADEMY:				
Pay of Military Branch; Pay and Salaries of Civil Branch; and General Expenses, including Messing, &c. of the Gentlemen Cadets, Clothing, Wages to Servants, Clothing of Servants, Pay of Foreman of Cadets' Workshop, Allowance to Instructors of Gymnastics, Working Pay of Non-Commissioned Officer and Privates of Royal Engineers employed under the Professor of Fortifications, Cost of Philosophical Apparatus, Chemicals, &c. to illustrate Lectures; Prize Instruments, Drawing Paper, Modellers' Tools, &c.; Allowance in lieu of Fuel and Light, Servants, Forage and Lodging; Laundry Expenses, and Contingent and Miscellaneous Expenses	39,690 7 7	41,872 - -	2,181 12 5	- - -
ROYAL MILITARY COLLEGE:				
Pay and Salaries of the Establishments of the Cadet and Staff Colleges; and General Expenses, consisting of Charges for Riding School, and the Instruction of Officers and Gentlemen Cadets in Intrenching, Sapping and Mining, Materials, Models, &c.; Salary of the Secretary to the Commissioners, Allowances in lieu of Fuel and Light, Board and Lodging for Gentlemen Cadets, Wages of Labourers and others, Rent, Rates and Taxes of Land, &c.; Allowance to Officers, Professors and Students, for Servants; Lodging Allowance to Officers, Professors and Students who cannot be provided with Quarters; Clothing for the Non-commissioned Officer, Band and Servants; Contingencies for Educational purposes; Pay of Organist, and Expenses of Musical Instruments, Music, &c.; Miscellaneous and Contingent Expenses; Maintenance and Education of Queen's Cadets and Scholars (Orphan Sons of Officers who have died in the Service and left their Families in reduced circumstances), and of those nominated by the Secretary of State for India	39,797 15 6	48,726 - -	8,928 4 6	- - -
REGIMENTAL AND GARRISON SCHOOLS AND LIBRARIES:				
Schools:				
Pay of Establishment, and Charges for Detachment Schoolmasters, and Soldier Assistants, Pupil-teachers, and Monitresses, Pay of Permanent Orderlies and Servants' Allowance to Superintending Schoolmasters; for Training Schoolmistresses; Travelling Expenses; Purchase of Industrial Materials; Apparatus for illustrating Lectures; Special Allowance to Schools at the Gambia and Ceylon; and for the Repair of School Books	36,518 8 10	33,430 - -	1,189 11 2	- - -
Libraries and Reading Rooms:				
Charges for an Allowance of 2l. 10s. to each Battery or Company on the British Establishment; Special Allowance to Woolwich, Warley, Sheerness, &c.; Pay of Librarians; Allowance to Librarians, and the purchase of Games for Troops proceeding to the Colonies	- - -	4,278 - -	- - -	- - -
Carried forward	123,536 3 9	136,480 - -	12,943 16 3	- - -

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Saving has been caused by the less frequent employment of Examiners than was contemplated when the Estimates for 1863-64 were prepared.

This Saving has arisen from the following circumstances, viz:—

1. The Charge for Provisions having been for 220 Cadets, while the number provided for in the Estimates was 250.
2. The issue of Clothing from the Clothing Factory, the Value of which fell considerably short of the Estimate, which was based upon the rate of 6 *d.* a day per Cadet.

At the commencement of the Financial Year 1863-64, it was contemplated to establish four Companies of Gentlemen Cadets at the Royal Military College, but subsequently no more than three became effective, which partly accounts for the Saving here reported, the same consisting of lapsed Pay, Salaries, Lodging, Fuel, and Light, Forage and Servants' Allowance, and Board and Washing for Students. A further Saving has accrued from a less number of Cadets being at the College than was provided for.

This Saving may be ascribed to the Contingent Items comprised in this General Head of Expenditure, the Demand for which was of so fluctuating a character as not to admit of being critically Estimated.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-4.	ESTIMATE, 1863-4.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 15— <i>continued.</i>	£. s. d.	£. s. d.	£. s. d.	£. s. d.
MILITARY EDUCATION— <i>continued.</i>				
Brought forward - - -	123,536 3 9	136,480 - -	12,943 16 3	- - -
ROYAL MILITARY ASYLUM, CHELSEA :				
<i>Military Branch :</i>				
Pay of Establishment; and Charges for Provisions, Clothing, Laundry Expenses, Hospital Expenses, Postage, Water Rent, Parochial Taxes, &c., Water- ing the Grounds, &c.; and Contingencies - - -	- - -	10,491 - -		
<i>Educational Branch :</i>	13,069 12 10	- - -	1,527 7 2	- - -
Salaries of the Establishment; and Charges for Provisions for Teachers, Students, and Monitors; Clothing, School Apparatus, Laundry Expenses, and Contingencies - - - - -	- - -	4,106 - -		
ROYAL HIBERNIAN MILITARY SCHOOL, DUBLIN :				
<i>Military Branch :</i>				
Pay of Staff, including Allowance to Pupil Teachers, Serjeants, Corporals, Band, and others - - -	- - -	2,386 - -		
<i>Educational Branch :</i>				
Salaries of the Establishment - - - - -	10,955 8 4	686 - -	1,965 11 8	- - -
<i>Other Expenditure :</i>				
Charges for Provisions, Clothing, House Linen and Utensils; Fuel and Light, Laundry Expenses, Infirmary Expenses; Farm and Garden Expenses; Postage of Letters, &c., and Contingencies - - -	- - -	9,849 - -		
DEPARTMENT FOR INSTRUCTION OF ARTILLERY OFFICERS :				
Pay of Establishment, and Charges for Allowance to enable a proportion of the Officers to visit Forti- fications, Public Works, and the Government Manufacturing Establishments; Allowance in lieu of Forage for the Director; and the Amount Paid for the Instruction of Officers in the higher branches of Artillery - - - - -	1,035 7 2	1,918 - -	882 12 10	- - -
MILITARY MEDICAL SCHOOL :				
Pay of Establishment, and Charges for the Contin- gent Expenses of the School and Museum; Li- brary Expenses; Allowance to the Examiners of Candidates for the Medical Service; and Pay and Lodging Allowance to Probationers to supply vacancies among the Assistant Surgeons - - -	5,563 2 1	6,285 - -	721 17 11	- - -
£.	154,159 14 2	172,201 - -	18,041 5 10	- - -
Saving, carried to page 3 - - -	£. 18,041 5 10		£. 18,041 5 10	

Copy of Application made to the Treasury, and of Treasury Reply, applicable to the foregoing Vote (see p. 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

{ This Saving has arisen from a diminution of Expenditure incurred for Royal Military Asylum and Normal Schools at Chelsea, particularly for Charges for Provisions, owing to the decline in Prices, and the Supply of Clothing from the Pimlico Clothing Factory to the last-mentioned Establishment.

{ This Saving has been produced by a diminution of the Expenditure incurred for this Establishment in respect to Provisions, Fuel and Light, Clothing, and Contingencies; the first and second in consequence of the decline of prices, the third through being supplied from the Army Clothing Factory, and the last from more economic management.

{ This Saving is owing to the Grants for the Allowance to enable a proportion of the Officers attached to the Department for Artillery Instruction to visit Fortifications, Public Works, and the Government Manufacturing Establishments, and for Instructing Officers in the higher branches of Artillery, not being expended for the purposes intended to the fullest extent.

{ This Saving is caused by the Charge for Contingent Expenses of the School and Museum, and the Pay and Lodging Allowance to Probationers to supply vacancies among Assistant Surgeons, not having been so large as was expected at the commencement of the Financial Year.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE,		ESTIMATE,		EXPENDITURE,			
	1863-64.		1863-64.		Less than Estimate.		More than Estimate.	
VOTE No. 16.	£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
SURVEYS OF THE UNITED KINGDOM, AND TOPOGRAPHICAL DEPARTMENT.								
TOPOGRAPHICAL DEPARTMENT:								
Pay of Establishment and Charges for Allowances in lieu of Servants; Travelling Expenses, Pur- chase of Maps, Colouring and Binding Plans, Re- pairing Presses, and Miscellaneous Charges -	7,315	- 1	7,341	- -	25	19 11	-	-
SURVEYS OF THE UNITED KINGDOM:								
Charges for the Prosecution of the Survey in Eng- land, Scotland, Ireland, and of Military Stations; for Engraving a Geographical Map of Great Bri- tain, and of the Geological Survey, the Expenses connected with the Publication of Maps and Le- velling, Purchase of Stores, and Repairs to Survey Offices - - - - -	84,198	5 11	78,100	- -	-	-	6,098	5 11
£.	91,513	6 -	85,441	- -	25	19 11	6,098	5 11
Excess, carried to page 3 - - -	£. 6,072 6 -						£. 6,072 6 -	

(Copy of application to Treasury, and of Treasury reply, applicable to the foregoing Vote—(see below, and also page 107).)

(7373—239.)

Sir,

War Office, 9 March 1864.

I AM directed by the Secretary of State for War to acquaint you that there is a balance, amounting to 3,125*l.* 2*s.* 5*d.*, outstanding in the books of this office on account of the Board of Health Survey of Towns. And with reference to the Treasury Letter of the 29th December 1860 (19,576, 26—12), I am further directed to request you will inform me whether any amounts are considered recoverable on account of this service, and if not, what steps shall be taken as to the disposal of the said Balance in the books of this office.

The Assistant Secretary to the Treasury.

I have, &c.
(signed) D. Galton.

(7373—249.)

Sir,

Treasury Chambers, 20 August 1864.

I AM directed by the Lords Commissioners of Her Majesty's Treasury to transmit herewith copy of a letter addressed by the Secretary to the Local Government Act Office to the Home Office on the subject of the sums due from various towns on account of Surveys thereof by the Ordnance Office at the instance of the Board of Health; and I am to request that you will state to Earl de Grey that, under the circumstances represented by Mr. Taylor, it appears to my Lords useless to attempt to recover any further sums on account of the Surveys. The claims must therefore be abandoned, and the whole amount charged to the Vote for Surveys (16), in the same manner as the claims on the account referred to in the letters from that department of the 12th October and the 29th December 1860, with the exception of the claim on Nantwich, which seems to be in course of payment.

Sir E. Lugard, K. C. B.

I am, &c.
(signed) F. Peel.

LETTER above referred to.

Sir,

Local Government Act Office, 1 August 1864.

WITH reference to your letters of the 25th May and 23d of July ultimo, enclosing a letter from the Treasury of the 23d March 1864, and one from the War Office of the 7th July 1864, I have to state, for the information of Sir George Grey, that the repayment of the costs of Surveys undertaken by the Ordnance Department in the case of the districts named in the margin, has already formed the subject of a report by the ex-Secretary of the late General Board of Health, and Chief Superintending Inspector (Mr. Austin), and of communications to the Treasury, leading to an opinion by Mr. Greenwood, of the 7th August 1860, viz., "that in the absence of any legal power to enforce the payments due by various towns on account of Local Surveys conducted by the Ordnance,

my

Alnwick.
Ormskirk.
Chelmsford.
Nantwich.
Merthyr Tydfil.
Ware.
Barnard Castle.
Sandgate.
Newcastle-under Lyme.
Ashby-de-la-Zouch.
Knighton.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving is owing to fluctuations in the Charges for Labour and Contingencies, neither of which could be critically estimated for.

This Excess is attributable to the following Causes, viz. :—

1. To certain sums which were paid on account of the Surveys of the Thames Valley and Surrey Hills, charged against the Loan for National Defences, but which, after consideration, were found to be more correctly applicable to Army Funds, a grant for the Survey of certain Military Stations having been made by Parliament in 1860–61 and 1861–62, &c.
2. To a Charge in 1856–57 or 1857–58 for the Survey of certain Towns by the late Board of Ordnance at the instance of the Treasury, in conformity with the terms of the Public Health Act, subject to repayment, which has been abandoned by directions of the Lords Commissioners of Her Majesty's Treasury, who have now considered that any attempt at recovery would be useless, and directed that Army Funds should defray this Expenditure. (*Vide Correspondence.*)

my Lords think that it will be the best course to compromise with those towns which are willing to pay a portion of the claims against them, and to abandon the remainder of the claims as irrecoverable."

In December 1860 a proposal to reduce the demands for these surveys was submitted to Sir G. C. Lewis by Mr. Austin, and seems to have been agreed to by the Treasury, though no letter conveying such agreement exists in the correspondence of this office.

Applications were made to the places named in the margin for the reduced sums placed opposite their names, and these sums have been paid by Alnwick, Ormskirk, and Chelmsford.

	£.	s.	d.
Alnwick - - -	523	5	-
Ormskirk - - -	128	2	-
Chelmsford - - -	300	-	-

The sums attached to these places in the margin of the War Office letter of 7th July ultimo are the differences between the sums originally charged for the surveys, and the reduced amounts applied for by this office, and since paid and accepted. In these cases, therefore, there seems no ground for further demand.

In the case of Nantwich, the sanction of the Secretary of State was given to a loan for payment of the debt in five years; and it appears, by the War Office letter of the 7th July, that one half of this debt has now been paid off. It is presumed the remainder will be paid in due course.

Nantwich - - - 184 2 9

In the case of Merthyr Tydfil, sanction has been given to a loan for the purpose of paying off this debt, and nothing seems to have been paid. In this case, therefore, fresh application might be useful.

Merthyr Tydfil - - 971 19 8

In the cases of Ware, Barnard Castle, Sandgate, Newcastle-under-Lyme, and Ashby-de-la-Zouch, two applications have been made from this office, but without effect.

Ware - - -	145	-	2
Barnard Castle - - -	109	7	4
Sandgate - - -	79	17	-
Newcastle-under-Lyme - - -	272	5	9
Ashby-de-la-Zouch - - -	271	10	-

When Mr. Austin reported on 10th December 1860, he classed these places together as districts the result of any application to which might be considered doubtful.

In the case of Knighton, he thought payment would probably be made; but this expectation has not been realised, though two applications have been made from this office for the money.

Knighton - - - 82 12 5

Under the peculiar circumstances (adverted to in Mr. Greenwood's letter) of the very loose arrangements as to these Surveys made between the late General Board of Health and the Ordnance Department, it may, I think, be doubtful whether any attempt to recover these sums at law could be usefully made.

If further application have to be made in the cases of Merthyr Tydfil and Knighton, or in those of Ware, Barnard Castle, &c., it is submitted that such applications would come with more effect through the office of the Solicitor to the Treasury than through this office.

I have, &c.

H. Waddington, Esq., Home Office.

(signed) T. Taylor.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 17.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
MISCELLANEOUS SERVICES.				
ORDNANCE SELECT COMMITTEE, WOOLWICH:				
Pay of Establishment, and Charges for Working Pay of Non-commissioned Officers and Gunners engaged in assisting in Small Arm Experiments; Purchase of Types and Ink-rollers; Allowance in lieu of Fuel and Light to Secretary and Assistant Secretary; of Lodging, Fuel, and Servant to Quartermaster, and of Lodging to Non-commissioned Officers, Clerks, and others; Travelling Expenses, including Hire of Carriages; Purchase of Models, and general Improvement of the Museum; and Carriage of Parcels, Telegrams, Postage, and Miscellaneous Expenses - - - - -	7,469 10 6	7,282 - -	- -	187 10 6
COMMITTEE ON IRON PLATES:				
Salary to Secretary, and Travelling Expenses - -	384 14 2	253 - -	- -	131 14 2
COMMITTEE ON ARMSTRONG AND WHITWORTH GUNS, &c.:				
Pay to Secretary, and Expense for a Clerk, and Travelling Expenses to the Committee - - -	748 19 2	650 - -	- -	98 19 2
EXPERIMENTAL SERVICES:				
Purchase of Stores for Experimental Purposes generally, and for Incidental Expenses connected with Experiments; and also for Armstrong and Whitworth Committee - - - - -	34,208 8 10	31,000 - -	- -	208 8 10
Rewards to Inventors - - - - -	- - -	3,000 - -	- -	- -
ROYAL ARTILLERY INSTITUTION, WOOLWICH:				
Salary of Secretary, and Lodging Money - - -	158 18 6	169 - -	10 1 6	- -
Charge for the Guernsey and Jersey Militia (Pay, Clothing, &c.) - - - - -	4,614 19 3	11,870 - -	7,255 - 9	- -
Maintenance of Telegraphs at Home and Abroad -	2,902 16 1	973 - -	- -	1,929 16 1
Maintenance of Signal Establishments at Foreign Stations - - - - -	801 6 4	550 - -	- -	251 6 4
Allowance to Warders and others in charge of the Armouries, Tower of London (including Contingencies) - - - - -	1,090 11 6	1,061 - -	- -	29 11 6
Subscription to Civil Hospitals, viz.: Lock Hospital, Chatham; Lock Hospital, Devonport; Hospital at Aldershot; Royal Hospital, Portsmouth; Naas Union; Colchester Union Hospital; St. Stephen's Hospital, Dublin; St. George's Hospital, London; Westminster Hospital, and Small Pox Hospital -	1,016 5 -	1,354 - -	337 15 -	- -
Grants in aid of Churches and Schools - - -	1,147 19 -	1,452 - -	304 1 -	- -
Carried forward - - - £.	54,544 8 4	59,614 - -	7,906 18 3	2,837 6 7

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

This Excess has resulted from the items which may be designated Contingent, the amount of which could not critically be estimated for the service of a Committee, whose duties have reference to Experiments, &c.

This Excess consists of an Allowance, in lieu of Lodging, to the Secretary, and of Travelling Expenses beyond the Sums voted on the Estimates for 1863-64.

This Excess is a liability of the Year 1862-63, which came in course of payment subsequently to the 1st April 1863.

As the demand for Experimental Services is dependent upon the requirements for testing inventions, &c., this Excess has originated from the Expenditure of Stores being somewhat larger than was anticipated when the Estimates for 1863-64 were prepared.

This Saving is a liability of 1862-63, which came in course of payment subsequently to the 1st April 1863.

This Saving arises from the non-issue of Clothing to the Channel Islands Militia, in consequence of it not having been determined whether a change should be made in the Uniform or not, and also with respect to the Regulations with reference to the Supply.

This Excess has arisen in the establishment of Military Telegraphs in New Zealand, for the purpose of meeting the requirements of the Force employed in the field to suppress the Native Insurrection in that country, and from an Extra Charge which the Lords Commissioners of Her Majesty's Treasury sanctioned, for the purpose of closing an Account containing the Amount charged for the Allowances, &c. to the Civil Telegraphists at Therapia, in 1855-56 and 1856-57, per Letter, dated 5th January 1864. (*See page 94.*)

This Excess has been caused by the Purchase of Signal Balls for use at Bermuda and Halifax, when they were urgently required, and by the Pay of Establishment at New Zealand, an unprovided Service.

This Excess is an Arrear Charge which came in course of payment subsequently to the 1st April 1863.

These Savings represent proposed Subscriptions on Grants, subject to certain conditions, which not having been complied with within the Financial Year, could not be paid.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.			ESTIMATE, 1863-64.			EXPENDITURE						
							Less than Estimate.			More than Estimate.			
VOTE No. 17—continued.													
MISCELLANEOUS SERVICES—continued.	£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.	
Brought forward - - -	54,544	8	4	59,614	-	-	7,906	18	3	2,837	6	7	
Law Charges for Costs, &c., including Agency -	6,574	8	7	10,000	-	-	3,425	11	5	-	-	-	
Advertisements for all Services - - - -	3,377	4	4	4,400	-	-	1,022	15	8	-	-	-	
Subscriptions to the Royal United Service Institution	400	-	-	400	-	-	-	-	-	-	-	-	
Commission granted to Local Banks for the Supply of Specie - - - - -	218	16	9	500	-	-	281	3	3	-	-	-	
Allowance to Martello Tower-keepers - - -	229	10	-	366	-	-	136	10	-	-	-	-	
Compensation to Officers and Men for Losses - -	1,790	8	9	5,000	-	-	3,209	11	3	-	-	-	
Field Allowances - - - - -	15,270	13	2	{ 5,000 - - 6,000 - - Per Supplemental Estimate. }			-	-	-	4,270	13	2	
Pay of Staff for German Military Settlers at the Cape of Good Hope, &c. - - - - -	9,841	-	6	1,215	-	-	-	-	-	8,626	-	6	
Salary of Superintendent of Hilsea Estate - -	80	-	-	80	-	-	-	-	-	-	-	-	
Salary of Inspector of Regimental Colours - -	60	-	-	60	-	-	-	-	-	-	-	-	
Taking Surveys and Remains of Stores - - -	587	5	3	500	-	-	-	-	-	87	5	3	
Cost of Medals - - - - -	748	18	5	1,000	-	-	251	1	7	-	-	-	
£.	93,722	14	1	94,135	-	-	16,233	11	5	15,821	5	6	
Savings, carried to page 3 - - - £. 412 5 11													
£. 412 5 11													

Copy of Application made to the Treasury, and of Treasury reply, relative to the foregoing Vote, as follows; and see p. 107.

(7365—276.)

Sir,

Treasury Chambers, 5 January 1865.

I AM commanded by the Lords Commissioners of Her Majesty's Treasury to return to you the Account which their Lordships have received through the Foreign Office, of expenses connected with the Therapia Telegraph in 1855 and 1856, amounting to 972*l.* 8*s.* 6*d.*; and I am to request that you will state to Earl de Grey and Ripon that, considering that a portion of the charge for this Service is for a period antecedent to the transfer of the Telegraph to the Foreign Office, and that there are now no special Funds remaining out of which the expenses could be defrayed, my Lords are of opinion that the Army Grants should bear the charge, amounting to 972*l.* 8*s.* 6*d.*

Sir E. Lugard, K. C. B.

I am, &c.
(signed) F. Peel.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.-- *cont^d*.

CAUSES OF VARIATION.

This Saving has arisen from the business of the War Office needing less extra legal advice than was anticipated.

The Expenditure under this item is liable to considerable fluctuation; the estimate was based upon the Expenditure of prior years.

The arrangements with the Local Bankers having been more favourable than were expected at the commencement of the financial year, have produced this Saving.

The Saving is attributable to a reduction of the number of Towers on the Coast.

This Saving has been produced by the Claims under this head not having been so numerous as was expected, in regard to those in New Zealand.

This Excess is attributable to the increased number of Officers in New Zealand and West Coast of Africa, who were entitled to this allowance.

This Excess consists of the balance of expenditure incurred by the Colonial Government at Kaffraria, in the location of the British German Settlers between 1st July 1857, and the 28th February 1859, authorised to be charged against Army Funds by the Lords Commissioners of Her Majesty's Treasury, the Treasury Chest having refunded the same in the year 1859; and of other sums applicable to arrear periods which came in course of payment subsequently to the 1st April 1863.

The Expenditure under this item mainly depends upon the transfer of Officers in charge of Barrack and Military Stores from one station to another, and of the period occupied in taking Stock.

The Expenditure under this item is now limited to the Medals for Meritorious Services.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 18.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
ADMINISTRATION OF THE ARMY:				
Department of the Secretary of State for War. } Charges for Salaries, Allowances, Wages, Travelling Expenses and Contingencies - - - }	161,302 2 1	164,917 - -	3,614 17 11	- -
Department of the Field Marshal Commanding in Chief: Charges for Staff Pay and Allowances for Forage, Lodging, &c.; and for Salaries, Allowances, Wages, Travelling Expenses, and Contingencies of the Officers of the Commander in Chief, Adjutant General and the Quartermaster General - -	48,611 16 10	48,260 - -	- -	351 16 10
£.	209,913 18 11	213,177 - -	3,614 17 11	351 16 10
Savings, carried to page 3 - -	£. 3,263 1 1		£. 3,263 1 1	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (*see* page 107).

VOTE No. 19.				
REWARDS FOR DISTINGUISHED SERVICES, &c.:				
Charge of Allowances as Rewards for Distinguished Services; of Allowances to Officers of Her Majesty's Garrisons at Home and Abroad, holding their Ap- pointments as Rewards for Military Service, in- cluding the Garrison of the Tower of London; of Allowances to Serjeants as Rewards for Dis- tinguished or Meritorious Service; and of Allow- ances to Non-commissioned Officers and Privates upon whom the distinction of the Victoria Cross has been conferred - - -	26,071 12 5	25,933 - -	- -	138 12 5
£.	26,071 12 5	25,933 - -	- -	138 12 5
Excess, carried to page 3 - - -	£. 138 12 5		£. 138 12 5	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (*see* page 107).

VOTE No. 20.				
PAY OF GENERAL OFFICERS:				
Charge of the Pay of General Officers of Her Majesty's Forces not being Colonels of Regiments or Battalions - - -	76,133 11 3	77,782 - -	1,648 8 9	- -
Saving, carried to page 3 - - -	£. 1,648 8 9		£. 1,648 8 9	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (*see* page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving arises—

- 1stly. From Vacancies and suspended Salaries of those Clerks who were granted special leave of Absence from their duties in consequence of Illness and other causes.
- 2dly. From the full Amount of Annual Increments for Salaries having been voted for the whole year.
- 3dly. From an economical arrangement with reference to the employment of Servants and Expenditure under the head "Office Contingencies."

Several Items under this general head show an Excess of Expenditure beyond the sums voted to the extent of 1,420*l.* 7*s.* 6*d.*, while others, a surplus, amounting to 1,068*l.* 10*s.* 8*d.* The net Excess here reported may be ascribed to the provision in the Estimates for Forage Allowance to the Head Quarter Staff, and for Lodging Allowance to Soldier Clerks having been inadequate.

This Excess arises from several Non-commissioned Officers with ante-dated Grants (in some cases the Grants being dated as far back as 1857), having been brought on to the List for Rewards, and from no provision having been made for this unexpected charge.

This Surplus has arisen from Parliament having granted money for the full Establishment.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than than Estimate.
VOTE No. 21.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
FULL PAY OF REDUCED AND RETIRED OFFICERS, AND HALF PAY, &c. :				
Full Pay of Reduced and Retired Officers of Her Majesty's Forces - - - - - }	114,147 9 4	115,716 - -	1,568 10 8	- -
Half Pay and Military Allowances - ditto - -	316,358 4 7	328,696 - -	12,337 15 5	- -
Half Pay and Reduced Allowances to Officers of Disbanded Foreign Corps, Pensions to Wounded Foreign Officers, and Allowances to Widows and Children of deceased Foreign Officers - - - }	17,625 5 1	20,483 - -	2,857 14 11	- -
£.	448,130 19 -	464,895 - -	16,764 1 -	-
Savings, carried to page 3	- - £. 16,764 1 -		£. 16,764 1 -	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

VOTE No. 22.				
WIDOWS' PENSIONS, &c. :				
Charges of Pensions to Widows of Officers of Her Majesty's Land Forces - - - - - }	120,431 9 5	128,240 - -	7,808 10 7	- -
Compassionate Allowances to Children of Deceased Officers, and of those who have been Killed, or have died of Wounds received in Action - - - }	23,845 5 11	22,066 10 -	- -	1,778 15 11
Royal Bounty Allowances, viz :—				
Annual Allowances to Widows, Mothers, and Sisters of Officers who have been killed, or have died of Wounds received in Action; and gratuities to the Widows and Children of those Officers who have been killed or have died of Wounds received in Action, including Relief Fund - - - }	19 258 19 2	21,851 - -	2,592 - 10	- -
£.	163,535 14 6	172,157 10 -	10,400 11 5	1,778 15 11
Less—Fractions not Voted - - - -	- - -	- 10 -	- 10 -	-
£.	163,535 14 6	172,157 - -	10,400 1 5	1,778 15 11
Savings, carried to page 3	- - £. 8,621 5 6		£. 8,621 5 6	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

These Savings arise from Casualties, Parliament having voted the Sum required for the full number borne upon the Establishment.

This Saving was caused by Casualties, Parliament having granted the full amount as required by the Establishment on the 1st April 1862.

This Excess was occasioned by a Short Estimate; the new cases exceeding those discontinued during the year 1863-64 in a larger proportion than was expected.

This Saving resulted from Casualties, Parliament having granted the Sum required for the Parties whose names were on the List of Recipients of Royal Bounty Allowances, Gratuities, and of Grants from the Relief Fund, when the Estimates for 1863-64 were prepared.

EXPLANATORY STATEMENT of the Sums Expended, " More or Less " than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 23.				
PENSIONS FOR WOUNDS:				
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Pensions, Gratuities, and Allowances to Officers, who have lost an Eye, or a Limb, or have sustained other serious and permanent Injury on Service - -	29,871 4 6	32,843 - -	2,971 15 6	- -
£.	29,871 4 6	32,843 - -	2,971 15 6	—
Saving, carried to page 3 - - £. 2,971 15 6			£. 2,971 15 6	

Copy of Application to the Treasury, and of the Treasury Reply applicable to this Vote (see page 107).

VOTE No. 24.				
IN PENSIONS:				
Chelsea Hospital:—Charges for the Pay and Allow- ances to the Governor and other Officers; Pay of In Pensioners; Cost of Provisions, Clothing, Fuel and Light, &c.; Household Disbursements, and other contingent Expenses; and the expense of Artificial Legs; also for the Salaries of the Secre- tary and of the Clerks in his Office, &c. - -	25,674 8 7	27,285 14 -	1,611 5 5	- -
Kilmainham Hospital:—Charges for the Pay and Allowances of the Master and Officers; Pay and Tobacco Money of In-Pensioners; Cost of Diets, Clothing, Garden Expenses, Taxes, and various small Expenses; Coals and Candles; Washing; Medicaments; and Maintenance of Widows of Soldiers - - - - -	6,340 3 9	6,490 10 2	150 6 5	- -
£.	32,014 12 4	33,776 4 2	1,761 11 10	—
Less—Fractions not Voted - - - -	- - -	- 4 2	- 4 2	—
£.	32,014 12 4	33,776 - -	1,761 7 8	—
Savings, carried to page 3 - - £. 1,761 7 8			£. 1,761 7 8	

Copy of Application to Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving arises from casualties, Parliament having voted the sum required for the full number borne upon the establishment.

This Saving consists of the difference between Estimate and Expenditure on the following items, to the extent stated, viz.:

1. Pay and Allowances to the Governor and other Officers of Chelsea	£.	s.	d.
Hospital, and Pay of In-Pensioners	-	-	-
2. Provisions, Clothing, Fuel and Light, and Expense of Trusses,			
Artificial Legs, &c.	-	-	-
3. Household Disbursements, and other contingent Expenses	-	-	-
4. Salaries of the Secretary and of the Clerks in his Office	-	-	-
	£. 1,611	5	5

The first of which is attributable to Vacancies, the second to the Charge for Clothing having been defrayed in the Year 1862-3, and the fluctuation in the price of Provisions, &c.; the third to the Estimate for Household Disbursements having been based upon the payments in the prior period; and the fourth to the discontinuance of the Examination by Officers of the Hospital of the Invalid Soldiers at Chatham, Woolwich, &c., and to a less amount being paid as Salary in consequence of a casualty by death.

	£.	s.	d.
The Aggregate Saving in the Grant for this Establishment amounts to	-	184	4 8
while there is an Excess of Expenditure upon the item "Diets," to the extent of	-	-	-
	-	32	18 3

owing to a variation in the price of Provisions. This surplus therefore falls principally upon the Estimate for Pay and Allowances to the Master and Officers, Garden Expenses, Coals and Candles, and Medicaments, and is the result of economic management.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
VOTE No. 25.	£. s. d.	£. s. d.	£. s. d.	£. s. d.
OUT PENSIONS:				
Charge for the Out-Pensioners of Chelsea, of Pensions granted to discharged Negro Soldiers, and of Pensioners from Hanoverian Corps, including those granted to Men who commuted their Pensions with a view of settling in the Colonies, and the Allowances to the Superintendent of Black Pensioners -	1,112,117 13 8	{ 1,118,202 - - 8,500 - - Per Supplemental Estimate. }	14,584 6 4	- - -
Allowances to Staff Officers, Non-Commissioned Officers, and others, for Paying and Superintending the Army, Navy, Mercantile Marine, Trinity House, and Indian Army Pensioners in Great Britain and Ireland, and the Colonies; and Contingent Charges -	26,446 7 5	24,500 - -	- - -	1,946 7 5
£.	1,138,564 1 1	1,151,202 - -	14,584 6 4	1,946 7 5
Saving, carried to page 3 - - £.12,637 18 11			£.12,637 18 11	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

VOTE No. 26.				
SUPERANNUATION ALLOWANCES:				
Charge of Superannuation and Retired Allowances to Persons formerly belonging to the several Public Departments, &c. - - - - -	131,981 2 9	144,964 - -	12,982 17 3	- - -
Saving, carried to page 3 - - £.12,982 17 3			£.12,982 17 3	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

VOTE No. 27.				
DISEMBODIED MILITIA—NON-EFFECTIVE:				
Charge of Retired Allowances to Disembodied Militia	19,258 10 5	21,300 - -	2,041 9 7	- - -
Charge of Allowances to reduced Adjutants of Local Militia - - - - -	497 14 7	800 - -	302 5 5	- - -
Charge for Out-Pensioners of Disembodied and Local Militia - - - - -	9,108 18 8	10,686 - -	1,577 1 4	- - -
£.	28,865 3 8	32,786 - -	3,920 16 4	- - -
Savings, carried to page 3 - - £.3,920 16 4			£.3,920 16 4	

Copy of Application to the Treasury, and of the Treasury Reply, applicable to this Vote (see page 107).

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

This Saving is attributable to the heavy casualties that took place during the latter part of the financial year, the number of which greatly exceeded that of the new appointments to Pension.

This Excess arises principally upon that portion of the Estimate that provides for Contingencies, and a larger amount will be allowed for this item in future Estimates.

The Surplus has been occasioned by casualties in the list of Pensioners, Parliament having granted money for the full establishment.

These Savings arise from the casualties which have taken place in course of the financial year ended the 31st March 1864.

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Sub-divisions of

HEADS OF SERVICE.	EXPENDITURE, 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE	
			Less than Estimate.	More than Estimate.
AMOUNT WRITTEN OFF AS IRRECOVERABLE:	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Balances due by sundry Persons - - - -	4,379 13 3	- - -	- - -	4,379 13 3

Copy of Application made to the Treasury, and of the Treasury Reply, applicable to this Item (*see* p. 107).

Cost of Illumination at sundry Stations, on the Mar- riage of H.R.H. the Prince of Wales - - - }	6 8 10	- - -	- - -	6 8 10
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Copy of Application made to the Treasury, and of the Treasury Reply, applicable to this Item, are as follows (*see also* p. 107).

(7968—1318.)

Sir,

War Office, 20 August 1864.

I AM directed by Earl de Grey and Ripon to state that there is an amount outstanding in the Ledger of this Office to the debit of the Lords of the Treasury for Illuminations at Brighton, amounting to - - - -	£. s. d.
To which the only additional charge for the same Service appears to be for Nova Scotia - - - - -	3 13 2
	3 3 8
	6 16 10
Less—	
Overpayment on account of Corfu, the claim being for - - £. 10 10 9	
And the actual debit only - - - - - 10 2 9	
	- 8 -
	£. 6 8 10

Which latter sum it is requested may be transferred by their Lordships to the credit of Army Funds in the books of the Paymaster General.

I have, &c.

The Assistant Secretary to the Treasury.

(signed) *E. Lugard.*

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*cont^d*.

CAUSES OF VARIATION.

{ This sum consists of bad debts, arising either from circumstances beyond the control of sub-accountants and others, or from their default, the particulars of which have in each case been specially considered by the Secretary of State, and have been declared irrecoverable.

{ This charge was written off to the debit of Army Grants, under the directions of the Lords Commissioners of Her Majesty's Treasury, the Account for the expenses attending the Marriage of the Prince of Wales having been long since closed, and there being no funds at their Lordships' disposal from which this sum could be defrayed.

(7968—1332.)

Sir,

Treasury Chambers, 14 September 1864.

WITH reference to your letter of the 20th ultimo, requesting that a sum of 6 *l.* 8 *s.* 10 *d.*, on account of Illuminations at Brighton and Nova Scotia, on the occasion of the Prince of Wales' Marriage, may be transferred to the credit of Army Funds, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that the Account for the Expenses attending the Marriage of the Prince of Wales has been long since closed, and my Lords have no funds at their disposal applicable to the expense in question.

To Sir E. Lugard, K.C.B.

(signed) *F. Peel.*

EXPLANATORY STATEMENT of the Sums Expended, "More or Less" than those Estimated, under each of the Subdivisions of

HEADS OF SERVICE.	EXPENDITURE. 1863-64.	ESTIMATE, 1863-64.	EXPENDITURE,	
			Less than Estimate.	More than Estimate.
	£. s. d.	£. s. d.	£. s. d.	£. s. d.
Charges on account of the late Turkish Contingent, Army Works Corps, and Special Engineering Ser- vices in Turkey - - - - -	304 6 5	- - -	- - -	304 6 5

Copy of Application made to the Treasury, and of the Treasury Reply, applicable to this Item—(see p. 107).

The above Account examined and found correct, subject to the observations contained in the Report to the Treasury of the 29th instant, No. 121, on the Account rendered under 9 & 10 Vict. c. 92.

Audit Office, 30 March 1865.

Charles Vine.

COPY of LETTER from the Treasury authorising the write off in favour of Ways and Means of the Unappropriated Balance of Grants for 1863-4.

(4758—21/9.)

Sir,

Treasury Chambers, 23 September 1864.

I AM commanded by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of the Secretary of State for War, that they have directed the Comptroller General of the Exchequer to cancel the sum of 761,415*l.* 16*s.* 4*d.* out of the Balance which remained in his hands on the 31st March last to the credit of Army Votes.

Captain D. Galton, &c. &c.
War Office.

I am, &c.
(signed) Geo. A. Hamilton.

COPIES of the APPLICATION to Appropriate temporarily a Portion of the Surpluses on certain Votes for Army Services for 1863-4, in Aid of Deficiencies, and of the Treasury Reply thereto.

(7512—136.)

Sir,

War Office, 27 February 1865.

IN reply to Mr. Peel's letter of the 25th instant, I am directed by Earl de Grey and Ripon to forward, for the information of the Lords Commissioners of Her Majesty's Treasury, an amended statement showing a comparison of Army Expenditure for the year 1863-4, with the Grants by Parliament for the same period, in which appears a deficiency on the Grants for Army Services for the year 1863-4, amounting to 210,381*l.* 11*s.* 10*d.*; and I am to request that you will move their Lordships to issue their authority to defray the same temporarily out of the surpluses as follows:—

	£.	s.	d.
Total Surpluses - - - - -	789,378	12	9
Deduct Savings on Supplemental Vote - - -	249,485	6	5
Surplus on Ordinary Grants - - -	£. 539,893	6	4

The Assistant Secretary of the Treasury.

I have, &c.
(signed) D. Galton.

the Votes included in the foregoing Statement, together with the Causes of Variation, &c.—*contd.*

CAUSES OF VARIATION.

{ This charge consists of arrear transactions connected with the late Russian War, some of which represent cash payments within the financial year ended 31 March 1864, and others, the adjustment of certain accounts.

War Office, 8 March 1865.

William Brown,
Accountant General, War Office.

(7512—137.)

Sir,

Treasury Chambers, 2 March 1865.

I AM directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords have had under their consideration the statement enclosed in your letter of the 27th ultimo, showing a comparison of Army and Militia Expenditure for the year 1863-4, with the Grants of Parliament for the same period, from which it appears that an excess has occurred on certain grants for the year ended 31st March 1864, as enumerated in the margin, amounting in the whole to the sum of 210,381*l.* 11*s.* 10*d.*, while upon the remaining Grants for the same year there is an aggregate surplus of 789,378*l.* 12*s.* 9*d.*, being on ordinary grants 539,893*l.* 6*s.* 4*d.*, and on supplemental grants, 249,485*l.* 6*s.* 5*d.*; and in pursuance of the authority granted by the 26th section of the Act 27 & 28 Vict. c. 23, my Lords are pleased to authorise the said sum of 210,381*l.* 11*s.* 10*d.* being included in the account of Army Receipt and Expenditure for 1863-4, prepared under the provisions of the Act 9 & 10 Vict. c. 92, as a charge temporarily defrayed out of the surpluses on the ordinary grants, as stated above, on the understanding that the deficiencies shall be submitted for the direction of Parliament in conformity with the instructions contained in the Minute of this Board of 27th January 1863.

	£.	s.	d.
Vote 2 - -	162,085	13	-
" 5 - -	1,433	10	11
" 7 - -	1,558	6	10
" 8 - -	34,402	14	2
" 16 - -	6,072	6	-
" 19 - -	138	19	5
Irrecoverable } Balance - }	4,690	8	6
	£. 210,381	11	10

Captain Galton.

I am, &c.
(signed) *F. Peel.*

N.B.—Other correspondence relative to certain apprehended excess of expenditure beyond the grants for certain services took place between the War Office and Treasury, but as the same was not borne out by the result declared on the closing of the Army Account, the letters have been omitted from this statement.

VOTE No. 12.

PAPER, No. 1.—DETAIL of the CHARGE for the ESTABLISHMENT of the MANUFACTURING DEPARTMENTS,

AND POLICE.			MATERIALS.						MACHINERY.																	
Expenditure			Expenditure, 1863-4.	Estimate, 1863-4.	Expenditure		Expenditure, 1863-4.	Estimate, 1863-4.	Expenditure																	
Less than Estimate.	More than Estimate.				Less than Estimate.	More than Estimate.			Less than Estimate.	More than Estimate.																
£.	s.	d.	£.	s.	d.	£.	£.	s.	d.	£.	£.	s.	d.	£.	s.	d.										
-	-	-	1,207	13	3	102,075	11	2	83,720	-	-	18,355	11	2	3,433	17	6	3,500	66	2	6	-	-			
42,900	4	4	-	-	-	66,032	-	5	127,280	61,247	19	7	-	-	4,793	10	-	5,000	206	10	-	-	-			
-	-	-	9,734	17	9	154,201	6	1	96,540	-	-	57,661	6	1	1,324	2	2	1,000	-	-	-	324	2	2		
46	-	1	-	-	-	867	12	1	553	-	-	314	12	1	226	10	-	-	-	-	-	226	10	-		
901	5	6	-	-	-	5,895	13	3	8,771	2,875	6	9	-	-	527	-	-	-	-	-	-	527	-	-		
3,662	15	10	-	-	-	29,665	8	5	34,307	4,641	11	7	-	-	755	-	1	1,200	444	19	11	-	-	-		
90	2	5	-	-	-	51,153	7	1	55,309	4,155	12	11	-	-	2,283	2	6	2,465	181	17	6	-	-	-		
31	9	6	-	-	-	2,348	9	6	1,000	-	-	1,348	9	6	3,102	16	6	1,500	-	-	-	1,602	16	6		
-	-	-	566	10	8	2,871	5	8	-	-	-	-	-	-	2,871	5	8	497	8	8	650	152	11	4	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
47,640	17	8	11,509	1	8	415,110	13	8	407,480	72,920	10	10	80,551	4	6	16,943	7	5	15,315	1,052	1	3	2,680	8	8	
£. 36,131. 16.			£. 7,630. 13. 8.			£. 7,630. 13. 8.			£. 1,628. 7. 5.			£. 1,628. 7. 5.														

ABSTRACT showing the Aggregate Amount

										EXPENDITURE, 1863-4.	ESTIMATE, 1863-4.
										£. s. d.	£.
Royal Carriage Department	-	-	-	-	-	-	-	-	-	223,137 15 4	204,930
Royal Gun Factories	-	-	-	-	-	-	-	-	-	141,650 18 3	249,104
Royal Laboratory	-	-	-	-	-	-	-	-	-	262,450 5 3	195,743
Royal Chemical and Photographic Establishments	-	-	-	-	-	-	-	-	-	5,717 10 11	5,174
Royal Gas Factory	-	-	-	-	-	-	-	-	-	9,915 8 11	13,436
Royal Small Arms Establishment	-	-	-	-	-	-	-	-	-	174,109 11 10	181,944
Royal Gunpowder Factory	-	-	-	-	-	-	-	-	-	71,428 2 5	75,617
Royal Arsenal at Portsmouth	-	-	-	-	-	-	-	-	-	13,978 6 -	11,589
Royal Laboratory at Devonport	-	-	-	-	-	-	-	-	-	15,486 10 3	14,441
Department of the Inspector of Works	-	-	-	-	-	-	-	-	-	3,577 9 5	4,387
Deduct :—											
Proceeds of Sales to Colonial Governments	-	-	-	-	-	-	-	-	-	921,451 18 7	956,365
Amount added to Surpluses	-	-	-	-	-	-	-	-	-		
Amount deducted from Excesses	-	-	-	-	-	-	-	-	-	71,948 19 7	
TOTAL - - - £.										849,502 19 -	956,365
										£. 106,862. 1.	

and for the MATE

BUILDINGS, NEW W

Expenditure, 1863-4.	Estimate 1863-
£. s. d.	£. s.
3,573 17 7	3,695 -
1,029 14 10	2,055 -
1,648 5 10	1,585 -
2,022 18 5	2,000 -
300 - -	-
350 6 8	275 -
2,944 3 6	3,035 -
512 9 9	1,133 -
3,485 18 10	5,530 -
- - -	-
16,767 15 5	19,308 -

£. 2,540. 4. 7.

Expended and Est

Less	
Savings.	At
£. s. d.	
1,355 9 1	-
107,453 1 9	-
1,076 6 7	-
103 - 2	-
4,347 11 1	-
8,769 1 4	-
4,518 9 4	-
651 19 9	-
2,438 11 11	-
809 10 7	-
131,523 1 7	

£.

EXPLANATORY PAPER, No. 2.—Showing the PARTICULARS of the EXPENSE of URGENT and UNFORESEEN SERVICES at the under-mentioned COLONIES, and not provided for by Parliament, but which have been allowed under the several Authorities quoted hereafter, and charged under the Special Head of “Services ordered by Governors, &c.”

AUTHORITY.		DESCRIPTION.		Fortifications and Military Store Buildings.	Barracks.	TOTAL.
				£. s. d.	£. s. d.	£. s. d.
3 July - 1863	Bermuda, 2—316 - - -	BERMUDA : Military Prisons - - - -		- - -	315 8 11	315 8 11
		CANADA :				
10 March - 1864	Toronto, 5—9 - - - -	Toronto Defences - - - -		13 12 8	—	
19 October 1863	Canada, 2—193 - - - -	Purchase of Stores, Hamilton - -		- - -	320 17 4	
10 February -	Montreal, 7—12 - - - -	Fitting up Guards' Hospital - -		- - -	329 16 7	
5 May - 1864	Canada, 2—207 - - - -	Burial Ground at Toronto - -		- - -	24 - 4	
12 May - 1863	Canada, 2—139 - - - -	Repairs to Married Soldiers' Quarters		- - -	2 - 9	
23 Nov. - -	Toronto, 2—93 - - - -	Cooking Stoves at Toronto - -		- - -	11 1 11	
14 August - -	Montreal, 2—443 - - - -	Fitting up Hired Buildings for Troops		- - -	35 18 4	
10 Nov. - -	Montreal, 7—10 - - - -	Forming Drains, Empire Hotel, and Relaying Drain-pipes to General Hospitals - - - -		- - -	3 18 4	
8 February 1864	Montreal, 2—487 - - - -	Half Expense of Building Stone-wall between Commissariat Fuel Yard, and adjoining Property - -		- - -	76 8 9	
23 May - 1863	Montreal, 2—289 - - - -	Providing Barrack Accommodation -		- - -	261 14 6	
7 January 1864	Canada, 2—207 - - - -	Contingencies - - - -		- - -	8 6 5	
29 January -	Canada, 2—208 - - - -	Sanitary Services - - - -		- - -	84 12 -	1,172 7 11
		CAPE OF GOOD HOPE :				
3 Sept. - 1863	Graham's Town, 5—66 - -	Destruction of Schomberg Battery -		19 3 11	—	
14 October 1862	Fort Beaufort, 21—63 - -	Erecting Reading-room, Fort Beau- fort - - - -		- - -	74 19 6	
" " -	" " - - - -	Rebuilding Bath and Ablution Rooms, Fort Beaufort - - -		- - -	196 17 4	
5 March - 1863	Graham's Town, 2—486 - -	Erecting New Commissariat Store and Office, Fort Jackson - -		- - -	13 5 6	
7 July - 1862	Cape, 53—2428 - - - -	Roofing Commissariat Mule Train Sheds, King William's Town -		- - -	97 18 3	
18 Nov. - -	Graham's Town, 2—498 - -	Erecting Hut at Fort Beaufort -		- - -	14 8 3	
5 March - 1863	Cape, 2—246 - - - -	Erecting Sanitarium Huts, King Wil- liam's Town - - - -		- - -	3 12 3	
29 June - -	Graham's Town, 2—414 - -	Improvement in Cavalry Barrack Stables, Graham's Town - -		- - -	2 5 -	
30 March - -	Graham's Town, 2—495 - -	Mending Thatch at Barracks, Fort England - - - -		- - -	16 19 11	
25 June - -	King William's Town, 7—45 -	Constructing Oven at King William's Town Hospital - - - -		- - -	8 15 1	
18 Nov. - 1862	Graham's Town, 2—498 - -	Erecting Wattle and Daub Hut, Keiskammahoek - - - -		- - -	4 - -	
13 June - 1863	King William's Town, 1—50 -	Repairing Watercourse at King Wil- liam's Town - - - -		- - -	34 18 -	
27 July - 1862	King William's Town, 2—18 -	Constructing New Cook-house for Royal Artillery, King William's Town - - - -		- - -	2 - -	
14 August - 1863	Simon's Town, 2—31 - - -	Erection of Two Iron Tanks, Simon's Town - - - -		- - -	11 16 5	
9 June - -	King William's Town, 2—258 -	Construction of Water Casks, King William's Town - - - -		- - -	5 15 11	
5 February 1864	Cape, 7—26 - - - -	Securing Windows of Purveyor's Store, Cape Town - - - -		- - -	13 5 5	
4 Nov. - 1863	Simon's Town, 2—39 - - -	Renewing Roof of Military Store, Officers' Quarters, Simon's Town -		- - -	10 17 1	
						530 17 10
		Carried forward - - - £.		32 16 7	1,985 18 1	2,018 14 8

EXPLANATORY PAPER, No. 2—Showing the Particulars of the Expense of Urgent and Unforeseen Services, &c.—*cont^d*.

AUTHORITY.		DESCRIPTION.	Fortifications and Military Store Buildings.	Barracks.	TOTAL.
			£. s. d.	£. s. d.	£. s. d.
		Brought forward - - -	32 16 7	1,985 18 1	2,018 14 8
		CHINA:			
		Special Engineering Services - -	- - -	6,053 4 7	6,053 4 7
		GOLD COAST:			
10 March - 1864	Gold Coast, 5—87 - - -	Erection of Works of Defence - -	480 14 8	—	
22 January -	Lagos, 2—80 - - -	Building Temporary Barracks, Lagos	- - -	1,102 18 -	1,583 12 8
		IONIAN ISLANDS.			
12 May - 1863	Ionian Islands, 2—755 - - -	Erecting Observatory for Meteorologi- cal Instruments - - -	- - -	3 7 3	3 7 3
		MAURITIUS:			
3 Sept. - 1863	Mauritius, 5—258 - - -	Remedying Dampness in Magazine at Fort George - - -	35 16 8	—	
13 May - -	Mauritius, 7—84 - - -	Repairs to Hospital, Mahébourg - -	- - -	565 18 9	
17 June - -	Mauritius, 2—494 - - -	Repairing Damages done by a Hur- ricane, Mahébourg Barracks - -	- - -	87 10 3	
" - -	" - - -	Repairs to Building at Rifle Camp, Mahébourg - - -	- - -	4 5 10	
18 April - 1864	Mauritius, 2—558 - - -	Providing Two Centry Boxes at Ma- hébourg - - -	- - -	29 5 6	
4 April - 1862	Mauritius, 2—454 - - -	Providing Pantry in Officers' Quarters, Fort William - - -	- - -	9 11 9	
12 June - 1863	Mauritius, 4—9 - - -	Improving Ventilation of Canteen, Line Barracks - - -	- - -	15 1 6	
4 May - -	Mauritius, 2—464 - - -	Erecting Drinking Trough for Com- missariat Mules - - -	- - -	48 7 9	
17 June - -	Mauritius, 2—494 - - -	Repairs to Cook House, Grande Rivière	- - -	21 19 10	
30 January -	Mauritius, 4—4 - - -	Erecting Canteen at Flacq - - -	- - -	17 2 5	
30 " - -	Mauritius, 2—421 - - -	Improving Cooking Accommodation at Flacq - - -	- - -	77 8 8	
22 April - -	Mauritius, 2—456 - - -	Providing Wooden Floor to Guard Room, Royal Artillery Barracks - -	- - -	48 6 9	
17 June - -	Mauritius, 2—454 - - -	Repairing Damages at Rifle Camp, Petite Rivière - - -	- - -	66 2 6	
29 May - -	Mauritius, 2—509 - - -	Fixing Partition in Officers' Mess Room to form Reading and Re- creation Room - - -	- - -	14 17 -	
14 August - 1862	Mauritius, 7—70 - - -	Fittings to Kitchen, Military Hos- pital, Port Louis - - -	- - -	22 18 11	
14 July - -	Mauritius, 2—502 - - -	Fitting Shelves to Quarters of Hos- pital Sergeant - - -	- - -	5 3 6	
1 Sept. - -	Mauritius, 2—421 - - -	Providing Cupboard for Officers' Mess Hut, Petite Rivière - - -	- - -	10 - -	
22 June - 1863	Mauritius, 2—490 - - -	Providing Latrines at Rifle Camp, Point D'Esnay - - -	- - -	28 8 5	
13 " - -	Mauritius, 2—491 - - -	Repairs to Ceiling of Quarters, Port Louis - - -	- - -	3 15 3	
8 January 1864	Mauritius, 7—92 - - -	Fitting Garbets' Tubs in Privies in Military Hospital, Port Louis - -	- - -	140 19 2	
15 June - 1863	Mauritius, 2—491 - - -	Repairing Ceiling, Garrison Office, Line Barracks - - -	- - -	29 16 11	
31 March 1864	Mauritius, 2—561 - - -	Providing Four Wooden Chopping- blocks for Cook House - - -	- - -	6 13 -	
2 May - -	Mauritius, 2—569 - - -	Repairing Roofs of Quarters of Offi- cers Commanding Royal Artillery	- - -	103 12 -	1,392 17 4
		NEW ZEALAND.			
		Special Engineer Services - - -	3,782 16 4	5,358 18 11	9,141 15 3
		Carried forward - - - £.	4,332 4 3	15,861 7 6	20,193 11 9

EXPLANATORY PAPER, No. 2.—Showing the Particulars of the Expense of Urgent and Unforeseen Services, &c.—*contd.*

AUTHORITY.		DESCRIPTION.	Fortifications and Military Store Buildings.	Barracks.	TOTAL.
			£. s. d.	£. s. d.	£. s. d.
		Brought forward - - -	4,332 4 3	15,861 7 6	20,193 11 9
ST. HELENA :					
4 June - 1863	St. Helena, 5—172 - - -	Building Buttress at Neundau -	130 19 11	—	
28 „ - 1862	St. Helena, 2—188 - - -	Repairs to No. 3 Staff Officers' Quarters, James Town - - -	- - -	18 13 8	
13 March - -	St. Helena, 2—266 - - -	New Floors to Officers' Mess House -	- - -	166 2 7	
1 May - 1863	St. Helena, 2—275 - - -	Constructing Cooking Sheds at Deadwood - - -	- - -	6 - -	
2 „ - -	St. Helena, 2—288 - - -	Constructing Latrines at Deadwood -	- - -	12 14 7	
10 October 1862	St. Helena, 2—225 - - -	New Roof, Officers' Mess Kitchen -	- - -	64 9 11	
6 „ - -	St. Helena, 2—208 - - -	Constructing Ablution Rooms at Ladder Hill - - -	- - -	16 18 11	
8 November -	St. Helena, 2—291 - - -	Alterations to Building, Ladder Hill -	- - -	25 11 11	
20 February 1864	St. Helena, 2—312 - - -	Re-building Sea-face to Wall, Ladder Hill - - -	- - -	91 17 1	
12 Nov. - 1863	St. Helena, 2—337 - - -	Re-building Wall, West Gate, Ladder Hill - - -	- - -	175 12 11	
19 January -	St. Helena, 2—227 - - -	Building New Cook-house, &c., Ladder Hill - - -	- - -	450 13 5	
5 May - 1864	St. Helena, 2—385 - - -	Re-building Wall and Two Privies, Ladder Hill - - -	- - -	72 15 1	
14 Sept. - 1863	St. Helena, 2—320 - - -	Renewing Roof of Canteen at James Town - - -	- - -	332 17 7	
7 „ - -	St. Helena, 2—316 - - -	Renewing Commissariat Store, No. 5 -	- - -	38 19 9	
18 February 1864	St. Helena, 2—339 - - -	Press to Officers' Quarters - - -	- - -	5 10 10	
5 October 1863	St. Helena, 7—2 - - -	Press, Military Hospital - - -	- - -	6 13 4	
3 Dec. - -	St. Helena, 7—5 - - -	Alterations to Surgery, Military Hospital, James Town - - -	- - -	34 16 3	
1 May - -	St. Helena, 2—280 - - -	Constructing Latrines at the Barracks, James Town - - -	- - -	- 3 -	
21 May - 1864	St. Helena, 2—382 - - -	Providing Shelves in Barrack Store, James Town - - -	- - -	7 4 -	
					1,058 14 9
SIERRA LEONE :					
19 Sept. - 1863	Sierra Leone, 63—1015 - - -	Alterations to Commissariat Bakery -	- - -	34 10 8	
17 October -	Sierra Leone, 12—15 - - -	Building Armourer's Shop - - -	- - -	21 4 8	
11 January 1864	Sierra Leone, 2—133 - - -	Substituting Asphalted Felt for Copper Guttering, Officers' Quarters -	- - -	38 9 -	
7 June - -	Sierra Leone, 2—246 - - -	Repairs to Officers' and Soldiers' Barracks - - -	- - -	13 18 1	
					108 2 5
TASMANIA :					
27 April - 1863	Tasmania, 2—3 - - -	Providing a Cooking Range in Barracks, Hobart Town - - -	- - -	11 17 2	
					11 17 2
WEST INDIES :					
10 February 1863	Trinidad, 2—16 - - -	Rifle Range, Trinidad - - -	- - -	299 5 1	
17 Dec. - 1862	Demerara, 2—277 - - -	Expenses of Survey, Demerara -	- - -	30 - -	
16 October -	Barbados, 2—326 - - -	Fitting Boilers and Ovens, Barbados -	- - -	136 15 1	
24 March - 1864	Barbados, 2—546 - - -	Purchase of Tools - - -	- - -	12 16 -	
2 April - 1863	General, No. 10—103 - - -	Military Prison, Barbados - - -	- - -	29 19 10	
8 August - -	Barbados, 2—430 - - -	Improving Ventilation, Garrison Library - - -	- - -	8 18 11	
					517 14 11
TOTAL - - - £.			4,463 4 2	18,026 16 10	22,490 1 -

War Office, }
8 March 1865. }

William Brown,
Accountant General, War Office.

BALANCE SHEET, showing the LEDGER BALANCES on the 30th September 1864, the Date on which the foregoing Account of RECEIPT and EXPENDITURE was Closed.

N.B.—To obviate the necessity of introducing into the following Statement the separate results of all the Accounts, the Balances on the Ledger are shown in *Classes*, except in those instances in which it has been deemed advisable to add special explanations, with a view of illustrating the principle upon which the Account has been prepared, and the final Balance struck. The Account is one of Receipt and Expenditure within the Year, and has been kept open for Six Months after the expiration of the Year to which it refers, in order that all Payments posted within that period, relating to the said Year, may be included in it, and the whole Expenditure on Imprest be audited before declaring the Balance. The postings of the Receipts and Payments comprised in that Account being therefore spread over a period of One Year and Six Months, the proof of the correctness thereof may be shown either by the Balances which remained on the Books at the Date to which the Account of Receipt and Expenditure extends (viz., 31 March 1864), or by those which remained at the Date when it was definitely closed (viz., 30 September 1864). The Balance Sheet at the latter Date is given, as it exhibits a more complete Statement of the Accounts.

Number of Accounts.		Dr.		Cr.	
		£.	s. d.	£.	s. d.
1	HER MAJESTY'S EXCHEQUER (Grants Account):				
	For Balance of Army and Militia Grants unissued on the 30th September 1864 - - - - -	7,850,000	- -	—	
1	HER MAJESTY'S EXCHEQUER (Extra Receipt Account):				
	For Amount passed to the Credit of the Comptroller General on account of Extra Receipts, but not paid over on the 30th September 1864 - - - - -	- - -		310,611	17 3
1	PAYMASTER GENERAL:				
	For Army Cash Balance, and the Amount of unaudited Expenditure not passed to credit, on the 30th September 1864 - - -	8,864,160	9 2	—	
17	LORDS OF THE TREASURY:				
	For the following Balances:				
	1. Balance on the Account of the Year 1864-65, for Repayment of Advances by the Treasury Chest Abroad for Army Services, beyond the Amount of the Accounts for that Year, posted on the 30th September 1864 - - - - -	1,480,082	11 2	—	
	2. Balance on the Account of the Year 1863-64, for Advances out of the Treasury Chest Abroad for Army Services beyond the Repayments, as shown on page 120 - - - - -	- - -		441,177	19 1
	3. Balance on the Account of 1863-64 and 1864-65, for Repayments into the Treasury Chest Abroad for Army and Ordnance Services, beyond the Amount transferred on the 30th September 1864 - - - - -	202,660	3 9	—	
	4. Balance due on the Account for Convict Services Abroad, beyond the Charge raised in the Books on the 30th September 1864 - - - - -	- - -		1,848	13 10
	5. Balance due on the Account for Convict Services at Home on the 30th September 1864 - - - - -	189	12 7	—	
	6. Balance due on the Account for Departmental Postage, beyond the Charge raised in the Books on the 30th September 1864 - - - - -	- - -		116	9 6
	7. Balance due on the Account for Expenditure in Western Australia - - - - -	10,203	16 11	—	
20	- - - - - Carried forward - - - £.	18,407,296	13 7	753,754	19 8

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—*continued.*

Number of Accounts.		Dr.			Cr.		
		£.	s.	d.	£.	s.	d.
20	- - - - - Brought forward - - -	18,407,296	13	7	753,754	19	8
	Lords of the Treasury— <i>continued.</i>						
	For the following Balances:						
	8. Balance due on Account of National Defences - - -	69,838	-	2	—		
	9. Ditto - - ditto - - of the Expenses of the Third China War, beyond the charge raised in the Books on the 30th September 1864 - - -	-	-	-	22,908	19	3
	10. Ditto - - ditto - - of Charges for the Magazine for Merchants' Gunpowder at Pigeon House Fort - - -	111	-	-	—		
	11. Ditto - - ditto - - of Miscellaneous Services - - -	1,951	19	9	—		
11	ADMIRALTY DEPARTMENT:						
	For the following Balances:						
	1. Balance of Stoppages for Rations, &c., from the Pay of Troops embarked on Board of Ships of War, Transports, &c., passed to the Credit of that Department, but not paid over on the 30th September 1864 - - -	-	-	-	16,293	14	6
	2. Balances on the Accounts for Passage Allowances, Freight, &c., being the Amount passed to Account beyond the Amount transferred on the 30th September 1864 - - -	90,875	9	2	—		
	3. For repayments by the Admiralty for Advances on account of Out-Pensioners of Greenwich Hospital, beyond the Charge raised against that Department in the Books on the 30th September 1864 - - -	-	-	-	48,421	17	4
	4. Balance on the Account for Coast Guard Services - - -	698	-	5	—		
	5. Ditto - - ditto - - Stores - - -	33,006	-	6	—		
	6. Ditto - - ditto - - Miscellaneous Services - - -	1,243	8	2	—		
4	SECRETARY OF STATE FOR FOREIGN AFFAIRS:						
	For the following Balances:						
	1. Balance on the Account for Allowance to Detachment of Royal Engineers employed on the Danubian Survey - - -	195	3	9	—		
	2. Ditto - - ditto - - for the Expenses incurred for the Legation Guard at Japan, &c. -	598	9	4	—		
	3. Ditto - - ditto - - for the Repairs to the Legation House at Tangiers - - -	7	14	7	—		
	4. Ditto - - ditto - - for the North American Boundary Expedition - - -	398	12	6	—		
35	- - - - - Carried forward - - - £.	18,606,220	11	11	841,379	10	9

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—*continued*.

Number of Accounts.		Dr.		Cr.	
		£.	s. d.	£.	s. d.
35	- - - - - Brought forward - - -	18,606,220	11 11	841,379	10 9
4	SECRETARY OF STATE FOR THE COLONIES:				
	1. For Balance on the Account of the Pay, &c., of Pensioners proceeding to the Colonies as Convict Guards - - -	11,384	1 9	—	
	2. For extra Pay to an officer of the Royal Engineers for superin- tending the Erection of Cottages for Military Pensioners; Falkland Islands - - - - -	322	19 1	—	
	3. For Balance on the Account for the Expenses of the Expedition to Baddiboo, on 30th September 1864 - - - - -	1,029	8 10	—	
	4. For Balance on the Account for the Expense of the Sierra Leone Militia - - - - -	-	- -	46	11 1
1	SECRETARY OF STATE FOR THE HOME DEPARTMENT:				
	For Balance on the Account for Convict Guards on the 30th Sep- tember 1864 - - - - -	343	10 4	—	
4	RECEIVER GENERAL OF INLAND REVENUE:				
	1. For Amount of Income Tax passed to Credit beyond the Charge raised in the Books on the 30th September 1864 -	-	- -	232	15 2
	2. For Balance due on Account of Advances to Staff Officers of Pensioners, by Collectors of Inland Revenue, upon Orders issued by the War Office - - - - -	-	- -	6,435	- -
1	RECEIVER GENERAL OF CUSTOMS:				
	For Balance due on account of Advances to Staff Officers of Pensioners by Collectors of Customs, upon Orders issued by the War Office - - - - -	-	- -	40,405	- -
4	THE BOARD OF TRADE:				
	For Balances on the Accounts for Payments to the Mercantile Ma- rine and Trinity House Pensioners on the 30th September 1864	15,191	18 3	—	
1	THE BOARD OF HEALTH:				
	For Balance due on the 30th September 1864 for the Expense of Survey of Towns - - - - -	73	13 3	—	
1	THE CONSTABULARY RECEIVER IN IRELAND:				
	For Balance due on the 30th September 1864 for Supplies of Stores - - - - -	21,778	8 7	—	
1	ROYAL COMMISSIONERS OF THE PATRIOTIC FUND:				
	For Balance on the Account for Repayments - - - - -	90	2 10	—	
52	- - - - - Carried forward - - - £.	18,656,434	14 10	888,498	17 -

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—*continued*.

Number of Accounts.		Dr.			Cr.		
		£.	s.	d.	£.	s.	d.
52	- - - - - Brought forward - - - - -	18,656,434	14	10	888,498	17	-
14	THE SECRETARY OF STATE IN COUNCIL FOR INDIA :						
	For the following Balances :						
	1. Balance due on account of advances out of Army Grants for Regiments serving in India in 1860-61, and prior years -	11,617	3	7	-		
	2. Balance on the Account for Pay, &c., of Indian Native Troops serving in China - - - - -	-	-	-	17,829	14	11
	3. Balance on the Account for Recruiting and other Charges for Regiments serving in India, for which the Indian Government paid 10 l. for every Effective Soldier serving in that Country in 1861-62 - - - - -	-	-	-	239,240	15	4
	4. Balance due on the Account for Expenses incurred for the late Local Force of India, on the 30th September 1864 - -	813	5	11	-		
	5. Balance on the Account for Payments for Persian Batta, on the 30th September 1864 - - - - -	11,363	2	4	-		
	6. For Repayment by the Secretary of State in Council of India, for advances for East Indian Pensioners, beyond the Charge raised in the Books, on the 30th September 1864 - - -	-	-	-	12,778	12	3
	7. Balance due on the Account for Stores supplied prior to the 30th September 1864 - - - - -	22,651	11	6	-		
	8. Balance due on the Account for Miscellaneous Services - -	191,650	19	11	-		
	9. Balance on the Account for Purchases of Saltpetre - - -	119	19	-	-		
34	COLONIAL GOVERNMENTS, AGENTS, &c. :						
	For Balances on the Stores and Works Accounts with the several Colonies, on the 30th September 1864 - - - - -	245,375	3	7	356	19	1
1	THE CHINESE GOVERNMENT :						
	For Balance due on the 30th September 1864 for Supplies of Stores - - - - -	17,520	14	11	-		
1	THE ITALIAN GOVERNMENT :						
	For Balance due on the 30th September 1864 for Supplies of Stores - - - - -	13	15	-	-		
1	THE COMMISSIONERS FOR THE REDUCTION OF THE NATIONAL DEBT :						
	For Cash invested in the under-mentioned Stock, belonging to the Fund for Military Savings Banks, &c.; viz :						
		STOCK.					
		£.	s.	d.			
	3 per Cent. Consols - - - - -	41,339	10	5			
	3 per Cent. Reduced Annuities - - -	85,643	10	8			
	3 per Cent. (New) - - - - -	204,950	11	11			
		£.	331,933	13	-		
		311,271	13	11	-		
103	- - - - - Carried forward - - - £.	19,468,832	4	6	1,158,704	18	7

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—continued.

Number of Accounts.		Dr.			Cr.		
		£.	s.	d.	£.	s.	d.
103	- - - - - Brought forward - - -	19,468,832	4	6	1,158,704	18	7
3	REGIMENTAL SAVINGS BANK INVESTMENT ACCOUNTS:						
	For Amount invested in the Purchase of the before-mentioned Stock, invested under the Provisions of Acts 5 & 6 Vict. c. 71, and 8 & 9 Vict. c. 27, 12 & 13 Vict. c. 71, and 22 & 23 Vict. c. 20 -	-	-	-	311,271	13	11
6	REGIMENTAL SAVINGS BANK DEPOSIT ACCOUNTS:						
	For Amount of Deposits beyond the Sums withdrawn on the 30th September 1864 - - - - -	-	-	-	24,469	8	10
2	STOCK ACCOUNTS:						
	For Bequests, &c., invested in the under-mentioned Stock on the 30th September 1864:						
	STOCK.						
	In the 3 per Cent. Consols, on account of the Army Prize Fund - - - - -	19,759	14	4			
	In 3 per Cent. Reduced Annuities, on account of the Bequests of Colonel John Drouly, for the benefit of Officers' Widows - - -	11,496	9	11			
	In 3 per Cent. Consols, on account of the Be- quest of Colonel John Drouly to the Chelsea Hospital - - - - -	7,460	18	7			
	In 3 per Cent. Consols, on account of the Legacies to Chelsea Hospital from the Rane- lagh and De la Fontaine Estates - - -	1,545	17	3			
	In 3 per Cent. Reduced, on account of ditto -	4,581	15	8			
	In 3 per Cent. Consols, on account of the Bequest of the late Captain John Stuart to Chelsea Hospital - - - - -	2,530	17	3			
	In $3\frac{1}{2}$ per Cent. (now 3 per Cent.), on account of the Bequests, &c., to the Hibernian Mili- tary School - - - - -	6,185	15	11			
	In 3 per Cent. Consols, on account of the Le- gacies, &c., to the Royal Military Asylum -	608	11	3			
	In $3\frac{1}{2}$ per Cent. (now 3 per Cent.), being the proceeds of the Sale of Land belonging to Kilmainham Hospital - - - - -	10,105	13	6			
	In $3\frac{1}{2}$ per Cent. (now 3 per Cent.) Annuities, on account of the Bequest of the late Ser- jeant Thomas Hurford, 59th Foot, on behalf of Soldiers' Children - - - - -	1,218	13	2			
	In 3 per Cent. Consols for the benefit of Or- phans of deceased Commissioned Officers -	1,787	9	6			
	£.	67,281	16	4	66,144	6	5
2	LEGACY INVESTMENT ACCOUNTS:						
	For Amount of Bequests, &c., invested in the before-mentioned Stock on the Books on the 30th September 1864, belonging to						
	Army Prize Fund - - - - -	20,912	19	4			
	Widow's Annuities Fund - - - - -	11,080	11	1			
	Chelsea Property and Legacy Fund - - -	14,734	8	1			
	Royal Military Asylum Fund - - - - -	596	10	-			
	Hibernian Military School Fund - - - - -	6,067	-	-			
	Kilmainham Hospital Fund - - - - -	9,857	8	4			
	Serjeant Thomas Hurford's Charity Fund -	1,203	8	4			
	Orphans of deceased Commissioned Officers -	1,692	1	3			
	£.	66,144	6	5	-	-	-
10	LEGACY, &c., DIVIDEND ACCOUNTS:						
	For Balance on account of Dividends on the Bequests, &c., in favour of Chelsea Hospital, Hibernian Military School, Royal Military Asylum, &c. &c., on 30th September 1864 - - -	-	-	-	73,276	4	7
126	- - - - - Carried forward - - - £.	19,534,976	10	11	1,633,866	12	4

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—*continued.*

Number of Accounts.		<i>Dr.</i>		<i>Cr.</i>	
		£.	s. d.	£.	s. d.
126	- - - - - Brought forward - - -	19,534,976	10 11	1,633,866	12 4
4	REGIMENTAL BENEFIT and CHARITABLE FUND ACCOUNTS: For Balances on the several Accounts on the 30th September 1864:— Charitable Funds - - - - <i>Dr.</i> £. 1,151 14 1 Benefit Funds - - - - <i>Cr.</i> 3 13 9				
		1,148	- 4	—	
1	WARRANTS PAYABLE: For Warrants or Orders for Payment issued on or prior to the 30th September 1864, and included in the Debit Balances of the several Accountants, &c. - - - - -	-	- -	8,712,326	17 4
3	ACCOUNTS FOR REMITTANCES AND EFFECTS OF DECEASED OFFICERS, SOLDIERS, &c.: For Amount remitted beyond that charged during the Year ended the 30th September 1864 - - - - - Viz.: Remittances and Effects, 1861-62, and prior Years - - - - - £. 69,493 2 5 Effects, 1862-63 and 1863-64 - - - 6,810 3 2 £. 76,303 5 7 Less,—Amount of Remittances since the 1st April 1862, passed to Account beyond the Credits raised in the Ledger on the 30th September 1864 - - - 21,693 17 8 £. 54,609 7 11	-	- -	54,609	7 11
747	COLONELS, AGENTS, PAYMASTERS, AND ACTING PAYMASTERS OF REGIMENTS AND DEPÔTS, &c., GENERAL AGENT AND PAYMASTERS OF RECRUITING DISTRICTS, &c.: For Balances on their respective Accounts on the 30th September 1864 - - - - -	2,264,294	17 7	93,866	1 8
286	BARRACK MASTERS, STOREKEEPERS, MILITARY ACCOUNTANTS, AT HOME AND ABROAD, ENGINEERS ON SURVEYS, ACCOUNTANTS FOR THE PAYMENT OF EDUCATIONAL ESTABLISHMENTS, &c. &c.: For Balances on their respective Accounts on the 30th September 1864 - - - - -	1,374,169	3 6	320,359	1 10
218	COLONELS AND PAYMASTERS OF REGIMENTS OF MILITIA, AND COMMANDANTS OF CORPS OF YEOMANRY CAVALRY: For Balances on their respective Accounts on the 30th September 1864 - - - - -	533,817	2 9	461	2 -
274	VOLUNTEER ARTILLERY, ENGINEER, AND RIFLE CORPS ACCOUNTANTS: For Balances on their respective Accounts on the 30th September 1864 - - - - -	205,689	15 2	47,858	10 7
116	STAFF OFFICERS OF PENSIONERS: For Balances on their respective Accounts on the 30th September 1864 - - - - -	969,634	2 7	2,846	2 10
2	DEFAULTER ACCOUNTS: For bad and doubtful Debts on old Accounts from the Year 1780, still kept on record in the Ledger - - - - -	4,790	5 3	—	
1	GENERAL DEFAULT ACCOUNT: For the above Debts on old Accounts withdrawn from the available Balance - - - - -	-	- -	4,790	5 3
35	MISCELLANEOUS ACCOUNTANTS: For Balances on their respective Accounts on the 30th September 1864 - - - - -	123	5 7	104,173	18 10
	NET AVAILABLE BALANCE on the 30th September 1864 -	-	- -	13,913,485	3 1
1,813	Carried forward.	£. 24,888,643	3 8	24,888,643	3 8

BALANCE SHEET, showing the Ledger Balances on the 30th September 1864—*continued*.

Number of Accounts.		<i>Dr.</i>			<i>Cr.</i>		
		£.	s.	d.	£.	s.	d.
1,813	- - - - Net available Balance brought forward - - -	-	-	-	13,913,485	3	1
	As the foregoing Balance includes Sums belonging to the Account for 1864-65, the Amount of the General Grants for that Year, less the Expenditure passed to Account up to 30th September 1864, should be reserved before striking the Balance of Money granted for 1863-64, viz.:—						
	GRANTS for the Year 1864-65, per Act 27 & 28 Vict. c. 73, s. 13	14,844,088	-	-	—		
	Less,—						
	Net Expenditure for the Year 1864-65, passed to Account up to the 30th September 1864, the Date upon which the preceding Balance was struck - - - - -	1,509,599	17	10	13,334,488	2	2
516	UNAPPROPRIATED BALANCE of Moneys Granted for 1863-4 - - £.				578,997	-	11
	The same result may be obtained from the Balance Account, for the period ended the 31st March 1864:						
	Net available Balance for 1863-64, in the Books on the 31st March 1864 - - -				9,086,522	6	9
	Less,—						
	Net Expenditure for 1863-64, passed to Account subsequently to the 31st March 1864, the Date upon which the preceding Balance was struck - - - - -				8,507,525	5	10
2,329	UNAPPROPRIATED BALANCE of Moneys granted for 1863-4 - - - £.				578,997	-	11

War Office,
8 March 1865.

William Brown,
Accountant General, War Office.

Examined,
Charles Vine.

STATEMENT of the PARTICULARS of the ADVANCES out of the several TREASURY CHESTS in the Colonies, &c., for ARMY EFFECTIVE SERVICES, between the 1st of April 1863 and the 31st March 1864, together with the REPAYMENTS in Discharge thereof.

	£.	s.	d.
Bahamas - - - - -	23,243	7	5
Bermuda - - - - -	57,894	11	6
Canada - - - - -	509,165	-	4
Cape of Good Hope - - - - -	362,395	3	6
Ceylon - - - - -	82,825	9	10
China - - - - -	320,995	16	4
Gambia - - - - -	18,671	18	8
Gibraltar - - - - -	199,907	17	7
Gold Coast - - - - -	36,560	1	9
Honduras - - - - -	19,065	5	3
Ionian Islands - - - - -	133,857	13	8
Jamaica - - - - -	74,700	16	3
Lagos - - - - -	8,061	7	1
Malta - - - - -	246,964	2	5
Mauritius - - - - -	107,732	14	6
Newfoundland - - - - -	20,930	3	7
New Zealand - - - - -	758,447	3	2
Nova Scotia - - - - -	171,040	6	1
St. Helena - - - - -	34,216	13	8
Sierra Leone - - - - -	30,861	5	4
South Australia - - - - -	7,823	7	-
Tasmania - - - - -	23,386	11	4
Vancouver's Island - - - - -	22	11	10
Victoria and New South Wales - - - - -	92,100	11	2
Western Australia - - - - -	30,164	12	1
West Indies - - - - -	120,143	7	9
	£.	3,491,177	19 1
By Warrants on Account - - -		3,050,000	- -
Balance - - -	£.	441,177	19 1

1 8 6 3 - 6 4.

STATEMENT of the SAVINGS and DEFICIENCIES
upon the GRANTS for ARMY SERVICES in the
Year ended the 31st March 1864, showing all
Cases in which the War Department has ob-
tained the Sanction of the Treasury to Expen-
diture not provided for in the Grants for that
Year; together with Copies of the Representa-
tions made to the Treasury by that Depart-
ment; &c.

(Presented pursuant to Act 25 & 26 Vict. c. 7, s. 26.)

*Ordered, by The House of Commons, to be Printed,
25 April 1865.*

[*Price 1.s. 4 d.*]

221.

Under 16 oz.

ARMY AND MILITIA.

1863-64.

COPY OF

AN ACCOUNT OF THE RECEIPT AND EXPENDITURE

FOR

ARMY AND MILITIA SERVICES,

For the Year ended 31st March 1864.

(Pursuant to Act 9 & 10 Vict. c. 92, s. 2.)

Ordered, by The House of Commons, to be Printed,
25 April 1865.

COPY of an ACCOUNT of the RECEIPT and EXPENDITURE for ARMY and MILITIA SERVICES,

To UNAPPROPRIATED BALANCE of 761,415*l.* 16*s.* 4*d.*, shown in the Account of ARMY RECEIPT and EXPENDITURE for the Financial Year ended the 31st March 1863, which has been withdrawn by the Lords Commissioners of Her Majesty's Treasury from the Army Balance at the Exchequer as a saving to be made available as "Ways and Means," per Mr. G. A. Hamilton's Letter, dated 23d September 1864.—*Vide* page 8.

[illegible]

War Office, 8 March 1865.

WE, the Commissioners for Auditing the Public Accounts, do hereby certify that this Account, transmitted to us in subject to the observations contained in the accompanying Report to the Lords Commissioners of Her Majesty's Treasury, the the Account Books and Vouchers, and other documents from which the Books are prepared.

for the Year ended the 31st March 1864, pursuant to Act 9 & 10 Vict. c. 92, s. 2.

Votes.		EXPENDITURE, 1863-64.	GRANTS, 1863-64.	Reference to Explanatory Paper.
EFFECTIVE SERVICES:				
1. REGULAR FORCES:				
		£. s. d.	£. s. d.	Page.
1	By General Staff and Regimental Pay and Allowances - -	5,782,759 19 6	5,880,633 - -	5
2	„ Commissariat Establishment, Services and Supplies - -	1,451,021 13 -	1,288,936 - -	4
3	„ Clothing Establishment, Services and Supplies - -	552,672 9 8	710,385 - -	6
4	„ Barrack Establishment, Services and Supplies - -	615,081 12 5	650,637 - -	6
5	„ Divine Service - - - - -	47,530 10 11	46,097 - -	4
6	„ Martial Law - - - - -	20,463 2 11	48,012 - -	6
7	„ Medical Establishment, Services and Supplies - -	273,451 6 10	271,893 - -	4
2. AUXILIARY FORCES:				
8	By Disembodied Militia - - - - -	785,486 14 2	751,084 - -	4
9	„ Yeomanry - - - - -	92,463 2 3	94,162 - -	6
10	„ Volunteers - - - - -	290,677 11 9	321,884 - -	6
11	„ Enrolled Pensioners and Army Reserve Force - -	45,346 1 8	55,847 - -	6
3. STORES:				
12	By Manufacturing Departments - - - - -	849,502 19 -	956,365 - -	7
13	„ Warlike Stores - - - - -	652,515 13 9	869,069 - -	7
4. WORKS AND BUILDINGS:				
14	By Superintending Establishment of, and Expenditure for } Works, Buildings, and Repairs, at Home and Abroad - }	802,098 18 1	822,941 - -	7
5. OTHER SERVICES:				
15	By Military Education - - - - -	154,159 14 2	172,201 - -	7
16	„ Surveys of the United Kingdom and Topographical Depart- } ment - - - - - }	91,513 6 -	85,441 - -	5
17	„ Miscellaneous Services - - - - -	93,722 14 1	94,135 - -	8
18	„ Administration of the Army - - - - -	209,913 18 11	213,177 - -	8
NON-EFFECTIVE SERVICES:				
19	By Rewards for Military Service - - - - -	26,071 12 5	25,933 - -	5
20	„ Pay of General Officers - - - - -	76,133 11 3	77,782 - -	8
21	„ Pay of Reduced and Retired Officers - - - - -	448,130 19 -	464,895 - -	8
22	„ Widows' Pensions and Compassionate Allowances - -	163,535 14 6	172,157 - -	8
23	„ Pensions and Allowances for Wounds - - - - -	29,871 4 6	32,843 - -	8
24	„ In-Pensions - - - - -	32,014 12 4	33,776 - -	8
25	„ Out-Pensions - - - - -	1,138,564 1 1	1,151,202 - -	8
26	„ Superannuation Allowances - - - - -	131,981 2 9	144,964 - -	8
27	„ Disembodied Militia - - - - -	28,865 3 8	32,786 - -	8
TOTAL 1863-64 - - - £.				
By Amount written off as irrecoverable, being Balances due } from sundry Persons - - - - - }		4,379 13 3	- -	5
„ Cost of Illumination at sundry Stations on the Marriage of } His Royal Highness the Prince of Wales - - - - }		6 8 10	- -	-
„ Charges on account of the late Turkish Contingent Army } Works Corps, and special Engineering Services in Tur- } key, during the late War with Russia - - - - }		304 6 5	- -	5
TOTAL 1863-64 - - - £.		14,890,239 19 1	15,469,237 - -	
By Balance, viz.:				
Unappropriated Surplus to be surren- } dered - - - - - }		£. s. d. 789,378 12 9		
Deduct— Deficiencies to be made good by an } additional Vote - - - - - }		210,381 11 10		
By Excess of Surplus above Deficiencies - - - - -		578,997 - 11	-	
£.		15,469,237 - -	15,469,237 - -	

Examined

(signed) Charles Vine.

(signed)

William Brown,
Accountant General, War Office.

pursuance of the Second Section of the Act 9 & 10 Vict. c. 92, has been examined by Officers under our direction, and that, above is a correct Statement of the Army Receipt and Expenditure for the Year ended the 31st March 1864, as compared with

Dated at the Audit Office, this 29th day of March 1865.

(signed)

Edward Romilly.
Henry Arbuthnot.
W. L. Maberly.

EXPLANATORY PAPER showing the Variation between EXPENDITURE and GRANTS for the SERVICES referred to in the foregoing Account for 1863-64.

EXCESSES.

VOTE No. 2.

COMMISSARIAT ESTABLISHMENT, SERVICES } - £.162,085 13 -
AND SUPPLIES - - - - - }

The net Excess of Expenditure beyond the Ordinary and Supplemental Grants for 1863-64, arose entirely from the native insurrection in New Zealand.

VOTE No. 5.

DIVINE SERVICE - - - - - £.1,433 10 11

This Excess is owing to Chaplains serving in China having received allowances at Indian Rates; and from arrear Rents for Buildings hired for the performance of Divine Service in 1862-63, having been paid in 1863-64, &c.

VOTE No. 7.

MEDICAL ESTABLISHMENT, SERVICES AND SUPPLIES £.1,558 6 10

The Excess of Expenditure beyond the Ordinary and Supplemental Grant for 1863-64, may be considered to have arisen from the Extra Supplies of Hospital Stores, Bedding, and Clothing, &c., required for the use of the Troops serving in New Zealand, and employed in suppressing the native insurrection in that Colony.

VOTE No. 8.

DISEMBODED MILITIA - - - - - £.34,402 14 2

This Excess has been occasioned by the Expenditure for the following Services having been larger than was expected, for the reasons stated against each :—

	£.	s.	d.	
Allowance in lieu of Lodging, Fuel, and Light, and rent of Quarters for the permanent Staff.	1,228	9	10	The increased demand by the County authorities for the rent of Stores, &c., applied to the use of the Permanent Staff, in consequence of the Justices of the Peace becoming aware of the liability on the part of the public to defray this charge.
Allowance to Volunteer Non-commissioned Officers assembled at Head Quarters for Instructions, prior to Annual Training.	4,477	16	2	The Regulations allowing Officers Commanding Regiments of Militia to call Volunteer Non-commissioned Officers for instruction during 28 days, prior to Annual Training, they exercised their power more frequently in 1863-64 than was expected.
Cost of Clothing and necessaries of Volunteers - - -	£. 35,899	s. 19	d. 7	The numbers who came up for Training in 1863-64, exceeded, by 8,000 men, the average of previous years, on the expenditure of which the Estimate for the 12 months ended the 31st March was based.
Less :				
Saving on ditto for permanent Staff - - -	4,627	12	2	
	31,272	7	5	
Travelling expense of Officers, Non-commissioned Officers and Men to and from the place of Training.	7,010	12	4	Ditto - - - ditto.
Contingent and unforeseen Expenses - -	1,577	11	6	The Grant was only made as a sum on account, which proved insufficient for all the Accidental Charges for 1863-64.
Less—				
Billet Money to Innkeepers for Non-commissioned Officers and Men - -	£. 9,698	s. 10	d. 5	Several Corps of Militia were, when Assembled for Training, accommodated in Barracks instead of in Billets.
Sundry other Savings, balanced by Corresponding Charges (Nil) - - -	1,465	12	8	
	45,566	17	3	The items to which the net Sum applies, are for the most part of a variable and uncertain character.
	11,164	3	1	
EXCESS - - - £.	34,402	14	2	

EXCESSES—continued.

VOTE No. 16.

SURVEYS OF THE UNITED KINGDOM AND TOPOGRAPHICAL
DEPARTMENT - - - - -

£. 6,072 6 -

This excess is mainly attributable to the following causes, viz. :—

- 1.—To certain sums which were paid on account of Surveys of the Thames Valley and Surrey Hills, and charged against the Loan for National Defences, but which, after consideration, were found to be more strictly applicable to Army Expenditure, as a Grant for the Survey of certain Military Stations was made by Parliament in 1860–61, 1862–63, &c.
- 2.—To a charge in 1856–57, &c., for the Survey of certain Towns by the late Board of Ordnance, at the instance of the Treasury, in conformity with the terms of the Public Health Act subject to repayment, which has now been abandoned by direction of the Lords Commissioners, who have considered that any further attempt to recover the debt would be useless, at the same time sanctioning the “Write off” against Army Funds.

VOTE No. 19.

REWARDS FOR MILITARY SERVICE - - - - -

£. 138 12 5

This excess arises from several Non-commissioned Officers having received ante-dated grants (in some cases so far back as the year 1857), for which no provision was made in the Estimate for 1863–64.

AMOUNT WRITTEN OFF AS IRRECOVERABLE ; being Balances due from
sundry Persons - - - - -

£. 4,379 13 3

This sum consists of Bad Debts, arising from circumstances beyond the control of Sub-Accountants and others, or from their default, the particulars of which have in each case been specially considered by the Secretary of State, and the Balances have been declared irrecoverable.

COST OF ILLUMINATIONS AT SUNDRY STATIONS ON THE MARRIAGE OF
HIS ROYAL HIGHNESS THE PRINCE OF WALES - - - - -

£. 6 8 10

This sum was written off to the debit of Army Grants, under the direction of the Lords Commissioners of Her Majesty's Treasury, there being no other funds at the disposal of their Lordships from which the charge could be defrayed, the amount granted by Parliament under Class 7, Vote 14, of the Civil Services for this Expenditure having been exhausted.

CHARGES ON ACCOUNT OF THE LATE TURKISH CONTINGENT, ARMY
WORKS CORPS, AND SPECIAL ENGINEERING SERVICES IN TURKEY -

£. 304 6 5

This sum consists of Arrear Transactions connected with the late War with Russia, some of which represent Cash Payments within the financial year ended the 31st March 1863, and others the adjustment of certain accounts. Parliament granted funds for these services under Votes 2 & 5 of the Army Estimates for 1856–57.

S A V I N G S.

VOTE No. 1.

GENERAL STAFF AND REGIMENTAL PAY, ALLOWANCES,
AND CHARGES - - - - -

£. 97,873 - 6

This saving is attributable, for the most part, to the following circumstances, viz. :—

- 1.—The non-requirement of the sum of 37,591*l.* 10*s.*, voted on the Supplemental Estimate dated 3d March 1864 (Parliamentary Paper, No. 95), the Expenditure reported in the various accounts not attaining the amount expected, and for which that sum was intended.
- 2.—The lapsed Charges for the Pay of certain Regiments, &c., the Pay Lists of which had not been received at the date of closing the foregoing account.
- 3.—The lapsed Allowance for Beer Money for Corps dispatched to India and elsewhere beyond the number which returned to England after service abroad.
- 4.—The fluctuation in the number of Recruits raised in 1863–64, which fell below that expected ; and to a less sum having been paid as Bounty during that period than the Amount Voted.

SAVINGS—*continued.*

VOTE No. 3.

CLOTHING ESTABLISHMENT, SERVICES AND SUPPLIES - £.157,712 10 4

This saving arises—

- 1.—From the Changes effected in the Clothing Factories after the 1st April 1863.
- 2.—From the Credit referred to in the explanation given as to the cause of the excess on the Vote for Clothing for 1862-3.—*See* Parliamentary Paper dated 22d April 1864, page 4 (Army Parliamentary Account).
- 3.—From an expected Claim on the part of the Indian Government for Repayment of Advances from Local Revenue for Compensation in lieu of Clothing, &c., chargeable against Army Funds, not having been preferred until May 1864.
- 4.—From the actual extra Expenditure incurred for the Troops serving in New Zealand not attaining the amount granted on the Supplemental Estimate.
- 5.—From other liabilities, for which provision was made on the ordinary Army Estimates for 1863-64, coming into course of payment after the 1st April 1864, the contractors failing to deliver the stores within the financial year 1863-64.

VOTE No. 4.

BARRACK ESTABLISHMENTS, SERVICES AND SUPPLIES - £.35,555 7 7

This saving may be considered to have resulted from the Prices paid to the Contractors for the supply of Coals, Coke, Candles, and Wood during the 12 months ended the 31st March 1864, having been considerably less than those for the prior year on the expenditure for which the Estimate for the Cost of Fuel and Light for 1863-64 was based, and from the sum of 12,000*l.* granted per Act 27 & 28 Vict. c. 73, s. 12, lapsing.

VOTE No. 6.

ADMINISTRATION OF MARTIAL LAW - - - £.27,548 17 1

This saving is attributable to the scheme for occupying the Queen's Bench and Fort Elson, for the purpose of converting them into Military Prisons, having been but partially carried out, and to the credit on account of the Full Pay stopped from the Men confined in Military Prisons, Civil Gaols, and Barrack Cells having been larger than was expected when the Estimates for 1863-64 were prepared.

VOTE No. 9.

YEOMANRY - - - - - £.1,698 17 9

This saving has resulted from a less number of Men having attended muster in 1863-64 than was expected, and from the services of the Yeomanry Cavalry not having been required in aid of the civil power during the year 1863-64, although a provision was made for the expenses incidental to that service in the event of it being demanded.

VOTE No. 10.

VOLUNTEERS - - - - - £.31,206 8 3

This saving has been mainly caused—

- 1.—By the provision in the Estimates for 1863-64 for the Pay and Allowance for the full number of Adjutants expected to be required for the Volunteer Force, whilst only a proportion of the Appointments was made.
- 2.—By several Volunteer Corps having experienced difficulties in obtaining the services of Persons qualified to act as Serjeant Instructors, in sufficient numbers to complete the Establishment allowed by the Regulations, for whose Pay and Allowance Parliament granted Funds in 1863-64.

VOTE No. 11.

ENROLLED PENSIONERS - - - - - £.10,500 18 4

This saving has been, for the most part, occasioned by the Enrolled Force having been called out for 8 days' Training and Exercise, instead of 12; and from the Number of Pensioners enrolled, not having been equal to that estimated for.

SAVINGS—*continued.*

VOTE No. 12.

MANUFACTURING DEPARTMENTS - - - - £. 106,862 1 -

This saving has resulted from the following cause, viz. :—

- 1.—The decreased activity, at the Royal Gun Factory, in the manufacture of Ordnance.
- 2.—The proceeds of the sale of Stores to Colonial Governments, Volunteer Corps, &c., being larger than the excess of Expenditure beyond the Grant for Materials.
- 3.—The abandonment or postponement of certain New Works, additions and maintenance, connected with the Buildings at Woolwich, Enfield, and Waltham Abbey.

VOTE No. 13.

WARLIKE STORES - - - - - £. 216,553 6 3

This saving may, for the most part, be ascribed to the following causes, viz. :—

- 1.—The demand, in some instances, for Extra Stores, by the Manufacturing Establishments beyond those provided for under Vote 12; and the value of the issue to Colonial Governments, Volunteer Corps, &c., both of which were not wholly replaced within the Financial Year.
- 2.—The manufacture of 2,518 Muskets, at the Royal Small Arms Establishment at Enfield, in consequence of the failure of certain Contractors at Birmingham.
- 3.—The delay in the determination as to the pattern of Guns and Projectiles.
- 4.—The non-purchase of Accoutrements, in consequence of the unsettled state of the Service with reference to Breech-loading and other pattern arms.
- 5.—The demand for Packing Materials having been less in 1863-64 than in 1862-63, the Expenditure for which formed the basis of Estimate for this item.

VOTE No. 14.

SUPERINTENDING ESTABLISHMENTS AND EXPENDITURE

FOR WORKS, BUILDINGS, AND REPAIRS - - - - £. 20,842 1 11

This saving is attributable to the expected Expenditure in New Zealand for Special Engineering Services in the Field not attaining the Amount voted on the Supplemental Estimate, and to the postponement or abandonment of certain works, the cost of which was provided for in the ordinary Army Estimate for 1863-64.

£. 10,748 11 s. 11 d. of the above sum represents an unexpended portion of the sum granted for unforeseen expenditure, in 1863-64, per Act 27 & 28 Vict. c. 73, s. 12.

VOTE No. 15.

MILITARY EDUCATION - - - - - £. 18,041 5 10

This saving has resulted from the Expenditure falling short of the sum expected from the following causes, viz. :—

- 1.—By the less frequent employment of Examiners, by the Council for Military Education.
- 2.—By the charge for provisions having been for 220 Cadets, under tuition at the Royal Military Academy, instead of 250, who were provided for in the Estimates; and also by the alteration in the mode of supplying Clothing, which is now issued from the Clothing Factory at a less charge than that for the allowance at 6 d. a day, per Cadet, as heretofore.
- 3.—By three Companies of Gentlemen Cadets having been effective at the Royal Military College during the year 1863-64, instead of four, for which provision was made by Parliament.
- 4.—By there having been a less demand, for services of a contingent character, by the Regimental Schools and Libraries.
- 5.—By the decline in the price of Provisions, &c., and the change in the mode of supplying Clothing to the Royal Military Asylum, Hibernian Military School, &c.
- 6.—By the allowance to enable a proportion of the Officers attached to the Departments for the instruction of Artillery to visit Fortifications, &c., not having been expended for the purpose intended, to the full extent.
- 7.—By the contingent expenses of the Medical School and Museum, and the Pay and Allowance to Probationers to supply Vacancies among the Assistant Surgeons, falling short of the sum expected.

SAVINGS—*continued.*

VOTE No. 17.

MISCELLANEOUS SERVICES - - - - - £. 412 5 11

This saving is mainly owing to the arrangements with Local Banks having been more favourable than was expected, and to a reduction in the number of Tower Keepers on the Coast.

VOTE No. 18.

ADMINISTRATION OF THE ARMY - - - - - £. 3,263 1 1

This saving is due to the Expenditure for the Department of the Secretary of State for War falling short of the Sums voted in consequence of—

- 1.—Vacancies and suspended Salaries of those Clerks, to whom leave of absence from their duties was granted, in consequence of illness and other causes.
- 2.—The full annual Increments for Salaries having been voted for the whole year, 1863-64.
- 3.—The more economical arrangement, with reference to the employment of Servants, and disbursements for Contingencies.

VOTES Nos. 20, 21, 22, 23, 25, 26, and 27.

PAY OF GENERAL OFFICERS	-	-	-	-	-	£. 1,648	8	9
PAY OF REDUCED AND RETIRED OFFICERS	-	-	-	-	-	16,764	1	-
WIDOWS' PENSIONS AND COMPASSIONATE ALLOWANCES	-	-	-	-	-	8,621	5	6
PENSIONS AND ALLOWANCES FOR WOUNDS	-	-	-	-	-	2,971	15	6
OUT-PENSIONS	-	-	-	-	-	12,637	18	11
SUPERANNUATION ALLOWANCES	-	-	-	-	-	12,982	17	3
DISEMBODIED MILITIA	-	-	-	-	-	3,920	14	4

These savings arise from Casualties, the Estimates being made either upon the number borne upon the Establishments or upon returns compiled long previously to the date on which the Estimate is prepared. The surplus on the Vote for Out-Pensions includes the Grant (8,500 *l.*) per Act 27 & 28, c. 73, s. 12.

VOTE No. 24.

IN-PENSIONS - - - - - £. 1,761 7 8

This saving arises from vacancies in the Establishments of Chelsea and Kilmainham Hospitals, the reduced price of Provisions, &c., the payment of the Contractors' Bill for the Clothing for the In-pensioners of Chelsea Hospital in 1862-63, and the discontinuance of an examination, by Officers of that institution, of Invalid Soldiers at Chatham, Woolwich, &c.

N.B.—The temporary appropriation of the surpluses under Votes 1, 3, 4, 6, 9, 10, 11, 12, 13, 14, 15, 17, 18, 20, 21, 22, 23, 24, 25, 26, and 27, in aid of the deficiencies on the Grants for the services first mentioned, has been sanctioned in conformity with the provisions of Act 26 & 27 Vict. c. 99, s. 24. (*Vide* copies of the War Office Application and the authority from the Lords Commissioners of Her Majesty's Treasury, *see* page 9.)

(signed) *William Brown,*

War Office, 8 March 1865.

Accountant General, War Office.

LETTER from the TREASURY authorising the Write-off in favour of WAYS and MEANS of the Unappropriated Balance of GRANTS for 1862-3.

(4758—21—9).

Sir,

Treasury Chambers, 23 September 1864.

I AM commanded by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of the Secretary of State for War, that they have directed the Comptroller General of the Exchequer to cancel the sum of 761,415*l.* 16*s.* 4*d.*, out of the balance which remained in his hands on the 31st March last, to the credit of Army Votes.

I am, &c.

Captain D. Galton, &c. &c.,
War Office.

(signed) *Geo. A. Hamilton.*

COPIES of the APPLICATION to appropriate temporarily a Portion of the SURPLUSES on certain VOTES for ARMY SERVICES for 1863-64, in Aid of DEFICIENCIES; and of the Treasury Reply thereto.

(No. 7512—136.)

Sir,

War Office, 27 February 1865.

IN reply to Mr. Peel's letter of the 25th instant, I am directed by Earl de Grey and Ripon to forward, for the information of the Lords Commissioners of Her Majesty's Treasury, an amended statement showing a comparison of Army Expenditure for the year 1863-64 with the Grants by Parliament for the same period, in which appears a deficiency on the Grants for Army Services for the year 1863-64, amounting to 210,381*l.* 11*s.* 10*d.*, and I am to request that you will move their Lordships to issue their authority to defray the same temporarily out of the Surpluses, as follows, viz :—

	£.	s.	d.
Total Surpluses - - - - -	789,378	12	9
Deduct,—			
Savings on Supplemental Votes - - - - -	249,485	6	5
Surplus on Ordinary Grants - - - £.	539,893	6	4

To the Assistant Secretary to the Treasury.

I have, &c.
(signed) D. Galton.

(No. 7512—137.)

Sir,

Treasury Chambers, 2 March 1865.

I AM directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that my Lords have had under their consideration the statement enclosed in your letter of the 27th ultimo, showing a comparison of Army and Militia Expenditure for the year 1863-64 with the Grants of Parliament for the same period, from which it appears that an excess has occurred on certain Grants for the year ended 31st March 1864, as enumerated in the margin, amounting in the whole to the sum of 210,381*l.* 11*s.* 10*d.*, while upon the remaining Grants for the same year there is an aggregate surplus of 789,378*l.* 12*s.* 9*d.*, being on ordinary Grants 539,893*l.* 6*s.* 4*d.*, and on Supplemental Grants 249,485*l.* 6*s.* 5*d.* And in pursuance of the authority granted by the 26th section of the Act 27 & 28 Vict. c. 23, my Lords are pleased to authorise the said sum of 210,381*l.* 11*s.* 10*d.* being included in the account of Army Receipts and Expenditure for 1863-64, prepared under the provisions of the Act 9 & 10 Vict. c. 92, as a charge temporarily defrayed out of the surpluses on the ordinary Grants, as stated above, on the understanding that the deficiencies shall be submitted for the direction of Parliament, in conformity with the instructions contained in the Minute of this Board of 27th January 1863.

Votes.	£.	s.	d.
2 - - - -	162,085	13	-
5 - - - -	1,433	10	11
7 - - - -	1,558	6	10
8 - - - -	34,402	14	2
16 - - - -	6,072	6	-
19 - - - -	138	12	5
Irrecoverable Balances, &c.	4,690	8	6
	£. 210,381	11	10

Captain Galton,
&c. &c.

I am, &c.
(signed) F. Peel.

MEMORANDUM.

THE following Extra Receipts of the Year 1863-64, amounting to 671,487*l.* 12*s.* 8*d.*, have been paid over to Her Majesty's Exchequer, in conformity with the Treasury Minute of the 2d May 1848, instead of being appropriated to the Estimates:—

Votes.			AMOUNT.	
			£.	s. d.
	Contributions from Colonial Revenues in aid of Military Expenditure :			
	Ionian Islands, on account of Staff Expenditure and Fortifications, for the period from the 1st March 1862 to the 31st August 1863 - - - - -		35,615	9 10
	Malta {	for the period from 1st January to 31st December 1862 - - - 5,000 <i>l.</i>	8,700	- -
		- - ditto - - 1st April 1862 to 31st March 1863 - - - 1,200 <i>l.</i>		
		- - ditto - - 1st January 1863 to 30th June 1863 - - - 2,500 <i>l.</i>		
	Ceylon {	for the period from 1st April 1862 to 31st March 1863 - - - 24,000 <i>l.</i>	36,000	- -
		- - ditto - - 1st April 1863 to the 30th September 1863 - - - 12,000 <i>l.</i>		
	Mauritius - - - - -		---	
	Cape of Good Hope {	for the period from 1st January to 31st December 1861 10,000 <i>l.</i>	20,000	- -
		- - ditto - - " " " 1862 10,000 <i>l.</i>		
	Natal {	for the period from 1st October to 31st December 1861 - - - 1,000 <i>l.</i>	5,000	- -
		- - ditto - - 1st January to 31st December 1862 - - - 4,000 <i>l.</i>		
1	Land Forces :			
	Pay forfeited by Sentence of Court Martial - - - - -		1,266	9 1
	Balances on Deserters' Accounts - - - - -		1,068	17 10
	Amount received from Men permitted to purchase their Discharges - - - - -		34,140	16 1
	Amount received from Men paying Smart Money - - - - -		1,219	5 6
	Proceeds of the Sale of Cast Horses, &c. - - - - -		16,565	13 6
	Sums recovered on Old Accounts - - - - -		181	10 7
	Stoppages from the Pay of Officers for the Supply of Horse Medicines - - - - -		17	15 2
	Unclaimed Balances - - - - -		65	4 6
	Gain by Exchange - - - - -		1	19 11
	Fines recovered under the Provision of the Mutiny Act - - - - -		77	19 8
	Miscellaneous - - - - -		1,200	4 3
	Sum received from the Revenues of India on account of the Proportion of the Charges for Recruiting Staff, and that of Depot Battalions, and the expense of Barracks accommodation the Depôts at Home to the 31st March 1861 - - -		301,349	4 8
2	Commissariat Services and Supplies :			
	Amount received for Services rendered by the Commissariat Surf Boats at the Cape of Good Hope - - - - -		1,647	16 2
	Proceeds of the Sale of Provisions - - - - -		412	- 10
	Miscellaneous - - - - -		29	1 3
3	Clothing Services and Supplies :			
	Proceeds of the Sale of Old Clothing, &c. - - - - -		5,435	5 10
4	Barrack Services and Supplies :			
	Rent of Lands and Buildings - - - - -		26,620	13 4
	Proceeds of the Sale of Barrack Stores, &c. - - - - -		9,271	- 5
	Sums paid in for Damaged or Deficient Stores - - - - -		12,852	18 5
	Sums paid in for Washing Sheets - - - - -		10,810	8 10
	Rent of Canteens - - - - -		3,774	- 4
	Sums paid in for Barrack Refuse - - - - -		2,347	5 8
	Percentage received from Officers on the Value of Mess Furniture - - - - -		384	1 11
	Stoppages from the Extra Pay of Officers of Royal Engineers for Quarters - - - - -		4,020	5 -
	Miscellaneous - - - - -		1,165	15 2
6	Martial Law Services :			
	Proceeds of the Sale of Prison Labour - - - - -		776	12 2
7	Medical Services and Supplies :			
	Proceeds of the Sale of Hospital Stores - - - - -		542	4 2
	Proceeds of the Sale of Hospital Refuse - - - - -		26	1 -
	Sums paid for Washing Linen - - - - -		121	18 8
	Miscellaneous - - - - -		-	- 2
8	Disembodied Militia Effective Services :			
	Stoppages from the Pay of Men who have fraudulently enlisted into the Line, &c. from Militia Regiments - - - - -		1,798	13 2
	Carried forward - - - £.		544,446	13 1

MEMORANDUM—continued.

Votes.		AMOUNT.		
		£.	s.	d.
	Brought-forward - - -	544,446	13	1
12	Materials for the Manufacture of Warlike Stores:			
	Proceeds of Sale of Old Stores - - - - -	1,372	3	9
	Miscellaneous - - - - -	922	13	7
18	Warlike and Miscellaneous Stores, &c.:			
	Proceeds of the Sale of Ordnance Stores, &c. - - - - -	54,866	3	4
	Pay of Magazine Establishment at Goat Island - - - - -	91	13	-
	Miscellaneous - - - - -	177	5	11
14	Works, Buildings, &c.:			
	Land and Buildings sold - - - - -	4,233	3	5
	Tolls, &c. of the Military Canal, Hythe - - - - -	1,040	18	8
	Sums paid in for Damages to Barrack Buildings - - - - -	7,196	8	8
	Miscellaneous - - - - -	191	1	1
15	Educational and Scientific Branches:			
	Royal Military College:			
	Contributions of Students and Friends of Gentlemen Cadets £. 17,538 13 -	17,755	-	5
	Miscellaneous - - - - - 216 7 5			
	Hibernian Military School: Dividends on Stock, Proceeds of Farm Produce, &c. - - - - -	330	13	10
	Royal Military Academy: Contributions from the Friends of Gentlemen Cadets at Woolwich, &c. - - - - -	14,338	8	5
	Royal Military Asylum: Amount received for Sheep Grazing, &c. - - - - -	46	15	6
	School Fees and Library Subscriptions - - - - -	2,394	4	10
	Contributions by the Indian Government towards Educational Purposes:			
	Royal Military Academy - - - - - £. 6,612 - -	14,760	6	6
	" " College - - - - - 2,868 - -			
	Military Medical School - - - - - 5,280 6 6			
16	Survey Services:			
	Proceeds of the Sale of Maps - - - - -	6,200	9	11
	Miscellaneous - - - - -	15	10	6
17	Miscellaneous Services:			
	Fees received from Parties visiting the Tower Armouries - - - - -	668	7	3
	Pay of Signal Establishment at Malta - - - - -	3	17	6
	Amount received for Medals issued to Soldiers to replace those lost - - - - -	227	19	9
	Miscellaneous - - - - -	49	12	6
22	Widows' Pensions and Compassionate Allowances:			
	Widows' Fund (Civil and Military) - - - - -	12	-	2
24	In-Pensions:			
	Chelsea Hospital: Newcastle Coal Gift, &c. - - - - -	180	3	11
	Kilmainham Hospital: Dividend on Stock, &c. - - - - -	457	16	6
	Departmental Expenses on Stores supplied to Colonial Governments, &c. - - - - -	8,657	11	11
	Fines recovered from Parties who failed in the fulfilment of their Contracts - - - - -	753	15	7
	£.	681,390	10	6
	Less:			
	Departmental Expenses on Stores supplied to Colonial Governments, credited above and in prior Accounts, now withdrawn - - - - -	9,903	6	10
	£.	671,487	12	8

N. B.—In addition to the above sum of 671,487 l. 12s. 8d., other Credits, amounting to 90,763 l. 13s. 4d., have been passed to account, but which have been reserved pending the receipt of the Money from the Colonial Governments indebted.

War Office, 8 March 1865,

(signed) William Brown,
Accountant General, War Office.

Examined.
(signed) Charles Vine.

(No. 121.)

Audit Office, Somerset House, London, W. C.,
29 March 1865.

My Lords,

I. WE have the honour to submit a copy of the account of the Receipt and Expenditure for Army and Militia Services for the year ended 31st March 1864, which has been transmitted to us by the War Office, and has been examined by officers under our directions, in pursuance of the 2d section of the Act 9 & 10 Vict. c. 92.

II. The aggregate amount of the grants for Army and Militia Services in 1863-64 was 15,469,237*l.*, and the total expenditure, as shown by the account now laid before your Lordships, is 14,890,239*s.* 1*d.*

III. The differences between the sums voted and those expended under each head of the Votes, as shown by the War Office Account, and as resulting from our examination of the account, will be found in the Statement (A.) appended to this Report.

IV. The deficiency for which we apprehend that provision will have to be made by Parliament appears from the War Office Account to be 210,381*l.* 11*s.* 10*d.*, and this sum, as to the correctness of which we would refer to the concluding paragraph of this Report, has been temporarily defrayed, under your Lordships' authority, out of the surplus of 539,893*l.* 6*s.* 4*d.* on ordinary grants, in accordance with the terms of the Act 26 & 27 Vict. c. 99, s. 24.

V. We have ascertained that the Army extra receipts, as shown in the memorandum attached to the account, have been paid into the Exchequer, as follows:—

							£.	s.	d.
September 1863	-	-	-	-	-	-	67,965	4	1
December „	-	-	-	-	-	-	102,339	-	2
March 1864	-	-	-	-	-	-	64,090	9	-
March „	-	-	-	-	-	-	301,349	4	8
June „	-	-	-	-	-	-	135,743	14	9
							£.		
							671,487	12	8

VI. We have appended to this Report a statement (B.) showing the result of our examination of this part of the account.

VII. In consequence of your Lordships' decision that the practice heretofore observed in the Naval Departments relating to the adjustment of inaccuracies in closed accounts should be followed in the War Office, the item of army grants, prior years, which appeared in the accounts of Army Receipt and Expenditure for the two previous years, has been discontinued in the present account; and as the arrangement made by your Lordships, viz., that a note should be appended to the account, explaining the degree to which the account of the financial year may be affected by the rectification of errors or omissions in the accounts of previous years, does not come into operation until the 1st April 1864, the remarks made by us in paragraph 7 of our Report to your Lordships of the 16th March 1864, on the Army Account for the year 1862-63, are equally applicable to the present account.

VIII. The observations made in our Reports upon the Army Accounts for the years 1861-62 and 1862-63, as to whether certain passages of troops between England and Ireland and coastwise should not be charged to Navy rather than Army Votes, applies also to the present account.

IX. Payments made by the Army Accountant in New South Wales and Victoria have again, during the period of this account, been set off against the amount contributed by the Colony, and, as remarked in our Report upon the Army Account for the year 1862-63, we are unable to state how this expenditure should be apportioned, inasmuch as no complete accounts of that expenditure have been made up at the War Office. We are also led to conclude, from a statement at page 107 of the Army Estimates for 1863-64, that all army expenditure in respect of these Colonies is provided for in the Army Estimates.

X. Several charges are included in this account, under your Lordships' authority, in respect of payments made by the War Office in former financial years, which do not appear to us to be expenditure which can be considered as properly chargeable to army grants; they are as follows:—

1st. A sum of 316*l.* 6*s.* 11*d.* is charged against Vote 16, "Surveys, United Kingdom," in respect of the survey of property belonging to Lord Stamford at Ashton-under-Lyne. It appears, from the document placed before us in support of this charge, that the original estimate given by the War Office for this work was 130*l.*; this was subsequently raised to

to 323*l.*, and the assent of Lord Stamford to the increased estimate was signified through his agent. It was afterwards stated by the War Office that 323*l.* would not be sufficient, and Lord Stamford's agent replied that his Lordship was willing to pay any moderate increase. The account of the War Office was ultimately sent in for 949*l.* - *s.* 10*d.*, which amount Lord Stamford declined to pay. After some time the matter was compromised. A sum of 632*l.* 13*s.* 11*d.* was paid by Lord Stamford, and the remainder, 316*l.* 6*s.* 11*d.*, is now charged against Army Grants. It does not appear to us that the cost of a survey of private property can be considered as chargeable against Army Grants. A copy of the correspondence which has passed on this subject is hereto annexed.

2d. A sum of 52*l.* 13*s.* 2*d.* is charged against Vote 4, "Purchase and Repair of Furniture, Bedding, &c., for Barracks," in respect of the cost of alga marina supplied as bedding for the use of troops proceeding from Sydney to England. Inasmuch as provision is made in the Navy Estimates for "Fittings, Beddings, &c.," for transports, it does not appear to us that this sum is properly chargeable against Army Grants. A copy of the correspondence between this office and the War Office on this subject is herewith enclosed.

3d. A sum of 2,977*l.* 16*s.* 2*d.*, charged against Vote 16, "Surveys, United Kingdom," being a further portion of the amount due by the Board of Health on account of certain surveys of towns made by the late Board of Ordnance. We have already, in our Report of the 17th May 1861, upon the Army Account for the year 1859-60, observed upon a previous charge against Army Grants in respect of this service, and pointed out that even after raising a charge against Army Grants for 1859-60 of 8,821*l.* 0*s.* 1*d.*, a sum of 4,202*l.* 9*s.* 11*d.* was still treated in the War Office books as a debt due by the Board of Health. Of this balance of 4,202*l.* 9*s.* 11*d.*, 1,151*l.* 10*s.* 6*d.* has been since recovered by the Board of Health from the towns surveyed; 2,977*l.* 16*s.* 2*d.*, the subject of the present objection, has been charged against Army Grants, leaving a sum of 73*l.* 3*s.* 3*d.* still standing in the War Office books as due by the Board of Health. It does not appear to us that the inability of the Board of Health to recover the expense incurred on their behalf is a ground for charging that expense against Army Grants.

4th. A sum of 972*l.* 8*s.* 6*d.* is charged against Vote 17, "Maintenance of Telegraphs Home and Abroad," being expenditure incurred between September 1855 and the 24th October 1856, on account of the Therapia telegraph previous to the management of the telegraph being transferred to the ambassador at Constantinople. It appears that arrangements were made by your Lordships that the payment of expenses connected with this telegraph should, after the 24th October 1856, be made by the Foreign Office. We have no evidence that the telegraph in question was ever connected with the Army; and there do not appear to be sufficient grounds for charging the amounts against Army Grants.

5th. There is a charge of 10*l.* 0*s.* 6*d.* against Vote 16, "Surveys, United Kingdom," in respect of the cost of certain instruments, "Seismometers," for measuring the vibrations of earthquakes. It appears that these instruments were originally purchased upon the suggestions of the British Association, who wished to have observations made at the Ionian Islands, and a charge was raised against your Lordships in the books of the War Office. As this service was in no way connected with military affairs, it does not appear to us that the amount in question is properly chargeable to Army Grants.

XI. In our Report upon the Army Account for the year 1862-63 we brought under your Lordships' notice the omission on the part of the War Office to account for the sale of the Battery House in the King's-road, Brighton, and the purchase of certain land at Woolmer. We have now to advert to a similar omission in the present account in respect of a sum of 16,700*l.* realised by the sale of certain property at Rotherhithe, known as Barnard's Wharf, belonging to the War Department. We submit a copy of the correspondence, and would observe that the above sum has been applied to the purchase from the Commissioners of Woods and Forests of land at Woolmer, and the effect of the omission is, as in the case of the Battery House at Brighton, that whilst the amount realised by the sale of War Office property at Rotherhithe does not appear, as we apprehend it should, as an extra receipt payable into the Exchequer, the purchase of the land at Woolmer has not been brought under the notice of Parliament. The amount of expenses consequent upon the sale, 559*l.* 3*s.* 6*d.*, charged against Vote 14, would, under these circumstances, be rather chargeable to extra receipts, leaving a net sum of 16,140*l.* 16*s.* 6*d.* payable into the Exchequer as an extra receipt.

XII. A charge of 192*l.* 10*s.* has been raised against Exchequer extra receipts, toll, &c., Hythe Canal, under your Lordships' authority, in respect of expenses incurred in "metalling military road between Rye and Scots float." The tolls, &c., of the Hythe Canal have always been treated as extra receipts payable to the Exchequer, and the expenses in question, instead of being charged to the Tolls, should, as we apprehend, have been charged to Vote 14, Works, &c.

XIII. We beg to enclose a copy of our Report to your Lordships of the 24th ultimo, which fully explains our views as to what should be considered the proper date of record in respect of services performed by one Department for another.

No. 321, 12 Mar. 1864
No. 7500—1867, Mar
1864.

No. 7603—2240, 4 Apr
1864.

No. 1069, 15 Nov. 1864.
No. 7500—2271, 14
Dec. 1864.

No. 1097, 18 Nov. 1864.
No. 7500—2242, 25
Nov. 1864.

No. 84, 24 Feb. 1865.

XIV. In the cases noted in the margin, we have had occasion to remark that certain receipts in respect of stoppages, &c., have been used in aid of the Votes instead of being surrendered to the Exchequer as extra receipts; and in reply to our observations on this practice we are informed (copy of the correspondence herewith) that the estimates for the Votes in question were based on net results, and that it was therefore considered proper to carry the receipts referred to to the credit of the Votes. The principle upon which we have always acted, and which is in accordance with the Treasury Minute of May 1848, is to regard every vote as a gross vote, unless it is expressly shown on the face of the Estimate to be a net vote; and we consider that nothing is properly applicable in aid of a net vote but the sum shown on the face of the Estimate.

Stoppages from men in confinement for necessities.
Excess of cost of bread and meat above the stoppage of $4\frac{1}{2}d.$ for Depôts of Regiments serving in India in 1854-55.
Forage supplied to the Cavalry. Depôt at Maidstone.

XV. We called your Lordships' attention in our Reports of the 30th November 1864 and 21st December 1864 to a charge raised against Vote 12, "Materials for Royal Gun Factories" in respect of bar iron and coils, at a less rate than that at which these articles had been purchased, and pointed out the mode in which similar transactions were treated in the books of the Navy; and your Lordships have communicated to us by Mr. Peel's letter of the 5th January 1865 that Earl de Grey has been requested to give his consideration to the course suggested by us, viz., that a rate book like that in use at the Admiralty should be kept by the War Office.

XVI. During the period of this account the Colonial Government of Canada has been relieved to the extent of 25,568 *l.* 0 *s.* 9 *d.* from claims which had been raised against it on account of small arms and other stores supplied to Militia and Volunteers, and the amount, from which the Colonial Government has been relieved is charged against Vote 13. We annex a copy of the correspondence which has passed between this office and the War Office on the subject.

XVII. We stated in our Report upon the Army Account for the year 1862-63 that we were of opinion that certain sums received in respect of costs in an action at law should have been carried to the credit of the Exchequer as an extra receipt, instead of being carried to the credit of the Vote. The observations there made equally apply to a sum of 83 *l.* 1 *s.* 11 *d.* received for law costs during the period of this account, and which has in a similar manner been carried to the credit of the Vote, instead of being paid into the Exchequer.

XVIII. We transmit a copy of the correspondence between this office and the War Office, respecting the pay of certain officers of the Royal Engineers employed on the North American Boundary Survey. From this correspondence your Lordships will perceive that the pay of the officers in question, although provided for in Army Estimates, has not been charged against Army Grants, but against the Civil Service Grants in the Estimates for which this service was provided for. Class V., Vote 28.

A similar course has also been pursued with respect to the military expenditure in Western Australia, which would appear to be also provided for in the Civil Service Estimates, Class 3, Vote 47.

XIX. We have, in our Reports to your Lordships of the 15th May 1863 and 4th July 1864, pointed out the inefficiency of our check upon the amount voted for stores, and also the discrepancies between the heads of the Estimates and the heads under which the expenditure is recorded. These discrepancies arise mainly from the fact that items relating to services which have been specifically included in certain votes are occasionally stated by the War Office to be provided for also under other votes, though in the Estimate submitted to Parliament, by which alone we are guided in checking the accounts, there is nothing to support that conclusion. We transmit copies of the correspondence on this subject, from which it will be seen that unless we are to regard the Estimates as our guide in checking the record of expenditure, the efficiency of our examination must necessarily be considerably impaired.

XX. The usual and regular vouchers of the department, bearing evidence of examination and allowance, have not been produced to us in respect of sums amounting together to 1,462 *l.* 5 *s.* 8 *d.*

XXI. A copy of the correspondence between this Board and the Secretary of State for War respecting the amount of expenditure relating to the year 1863-64, which is not included in the account, is also transmitted.

XXII. The general result of the views we have expressed is shown in Statements A. and B. Should our views be adopted, the amount to be provided for by Parliament (Statement A.) would be 207,077 *l.* 8 *s.* 3 *d.* instead of 210,381 *l.* 11 *s.* 10 *d.*, and the sum to be surrendered to the Exchequer would be 773,987 *l.* 6 *s.* instead of 789,378 *l.* 12 *s.* 9 *d.*

The amount moreover payable into the Exchequer on account of extra receipts (Statement B.) instead of being 671,487 *l.* 12 *s.* 8 *d.* would be 687,904 *l.* 1 *s.* 1 *d.*

The Lords Commissioners of
Her Majesty's Treasury.

We have, &c.
(signed) Edward Romilly.
Henry Arbuthnot.
W. L. Maberly.

No. 1072, 15 Nov. 1864.
No. 7500 — 2238, 26
Nov. 1864.
No. 410, 11 Apr. 1864.
No. 7500 — 1904, 9 May
1864.

No. 1070, 15 Nov. 1864.
No. 7500 — 2263,
March 1865.

No. 529, 6 May 1864.
No. 7500 — 1958, 26
May 1864.

No. 187, 15 May 1863.
No. 230, 4 July 1864.
And Enclosures.

No. 255, 9 Mar. 1865.
No. 7512 — 138, 23
Mar. 1865.

(A.)

STATEMENT showing a Comparison between the Sums Granted and Expended in respect of ARMY and MILITIA SERVICES for the Year 1863-64.

VOTES.	GRANTS, 1863-64.	WAR OFFICE STATEMENTS.						AUDITOR'S STATEMENTS.						Paragraph in Auditor's Report explaining Differences.	
		Less than Original Grant.			Less than Supplemental Grant.			Less than Original Grant.			Less than Supplemental Grant.				
		£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.		
Vote 1	5,880,636	5,782,759	19	6	97,873	-	6	5,782,759	19	6	97,873	-	6	X 2.	
" 2	1,288,936	1,451,021	13	-	-	-	-	1,451,021	13	-	-	-	-		
" 3	710,385	555,672	9	8	80,000	-	-	552,672	9	8	80,000	-	-		
" 4	650,637	615,081	12	5	15,000	-	-	615,028	19	3	15,000	-	-		
" 5	46,097	47,530	10	11	-	-	-	47,530	10	11	-	-	-	X 1, X 3, X 5, X 4, & XVII.	
" 6	48,012	20,463	2	11	5,000	-	-	20,463	2	11	5,000	-	-		
" 7	271,893	273,451	6	10	-	-	-	273,451	6	10	-	-	-		
" 8	751,084	785,486	14	2	-	-	-	785,486	14	2	-	-	-		
" 9	94,162	92,463	2	3	-	-	-	92,463	2	3	-	-	-	X 1, X 3, X 5, X 4, & XVII.	
" 10	321,884	290,677	11	9	-	-	-	290,677	11	9	-	-	-		
" 11	55,847	45,346	1	8	-	-	-	45,346	1	8	-	-	-		
" 12	956,365	849,502	19	-	-	-	-	849,502	19	-	-	-	-		
" 13	869,069	652,515	13	9	30,700	-	-	652,515	13	9	30,700	-	-	X 1, X 3, X 5, X 4, & XVII.	
" 14	822,941	802,098	18	1	12,000	-	-	818,432	4	7	4,508	15	5		
" 15	172,201	154,159	14	2	-	-	-	154,159	14	2	-	-	-		
" 16	85,441	91,513	6	-	-	-	-	88,209	2	5	-	-	-		
" 17	94,135	93,722	14	1	412	5	11	92,833	7	6	1,301	12	6	X 1, X 3, X 5, X 4, & XVII.	
" 18	213,177	209,913	18	11	-	-	-	209,913	18	11	-	-	-		
" 19	25,933	26,071	12	5	-	-	-	26,071	12	5	-	-	-		
" 20	77,782	76,133	11	3	-	-	-	76,133	11	3	-	-	-		
" 21	464,895	448,130	19	-	-	-	-	448,130	19	-	-	-	-	X 1, X 3, X 5, X 4, & XVII.	
" 22	172,157	163,535	14	6	-	-	-	163,535	14	6	-	-	-		
" 23	32,843	29,871	4	6	-	-	-	29,871	4	6	-	-	-		
" 24	33,776	32,014	12	4	-	-	-	32,014	12	4	-	-	-		
" 25	1,151,502	1,138,564	1	1	8,500	-	-	1,138,564	1	1	8,500	-	-	X 1, X 3, X 5, X 4, & XVII.	
" 26	144,964	131,981	2	9	-	-	-	131,981	2	9	-	-	-		
" 27	32,786	28,865	3	8	-	-	-	28,865	3	8	-	-	-		
Balances irreco- verable	-	4,379	13	3	-	-	-	4,379	13	3	-	-	-		
Illuminations	-	-	-	-	-	-	-	-	-	-	-	-	-	X 1, X 3, X 5, X 4, & XVII.	
Army Works Corps, &c.	-	-	-	-	-	-	-	-	-	-	-	-	-		
	-	304	6	5	-	-	-	304	6	5	-	-	-		
£.	15,469,237	14,890,239	19	1	249,485	6	5	14,902,327	2	3	242,883	8	5		
	-	-	-	-	-	-	-	531,103	17	7	207,077	8	3		

(B.)

EXCHEQUER EXTRA RECEIPTS.

Amount of Extra Receipts paid into the Exchequer, per War Office Statement - - - - -							£.	s.	d.
							671,487	12	8
Add 1863-64.							£.	s.	d.
Paragraph XI.—Vote 14	-	-	-	-	-	-	16,140	16	6
„ XII. „ 14	-	-	-	-	-	-	192	10	-
„ XVII. „ 17	-	-	-	-	-	-	83	1	11
							16,416 8 5		
							£.	687,904	1 1

COPY of TREASURY MINUTE, dated 19 April 1865.

TRANSMIT copy of this Report to the War Office for any observations which Lord de Grey may have to offer upon the various questions raised by the Commissioners of Audit.

Let the account with the Report and the accompanying correspondence be laid before the House of Commons.

COPY of CORRESPONDENCE to accompany Report No. 121, dated 29 March 1865.

(No. 321.)

Sir,

Audit Office, 12 March 1864.

THE Commissioners for auditing the Public Accounts having had their attention called to an entry in the War Office books debiting Vote 15, 1863-64, "Surveys, United Kingdom," with 316 *l.* 6 *s.* 11 *d.* in respect of the survey of property belonging to Lord Stamford at Ashton-under-Lyne, I am directed to state that it does not appear to them that the cost of a survey of private property, undertaken upon the condition that the expenses incurred should be reimbursed to the War Office, can be considered as chargeable against Army Grants.

Captain Galton, &c. &c. &c.,
War Office.

I have, &c.
(signed) C. Macaulay,

(No. 7500—1867.)

Sir,

War Office, 16 March 1864.

IN acknowledging the receipt of your letter of the 12th Instant, relative to an entry in the books of this office debiting Vote 15, 1863-64, with the sum of three hundred and sixteen pounds, six shillings, and eleven pence (316 *l.* 6 *s.* 11 *d.*), in respect of the survey of property belonging to Lord Stamford, I am directed by Earl de Grey and Ripon to acquaint you that the charge in question has been referred for the consideration of the Lords Commissioners of Her Majesty's Treasury, and that so soon as a decision shall have been arrived at, a further communication will be made to your office.

The Secretary to the Audit Office.

I have, &c.
(signed) Douglas Galton.

(No. 7603—2249.)

Sir,

War Office, 4 April 1864.

WITH reference to your letter of the 12th Ultimo, calling attention to an entry in the books of this office debiting Vote 15, 1863-64, with three hundred and sixteen pounds, six shillings, and eleven pence (316 *l.* 6 *s.* 11 *d.*), in respect of the survey of property belonging to Lord Stamford, and to the communication from this department of the 16th March (7500—1867), I am directed by Earl de Grey and Ripon to enclose a copy of a letter received from the Lords Commissioners of Her Majesty's Treasury, conveying their Lordships' sanction to the charge in question.

The Secretary, Audit Office.

I have, &c.
(signed) Douglas Galton.

(No. 3054.)

Sir,

Treasury Chambers, 31 March 1864.

WITH reference to your letter of the 20th February last, enclosing copy of a letter from the Director of the Topographical Department relative to the expense of furnishing to Lord Stamford copies of the large surveys of Ashton-under-Lyne and Motham, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that as it appears by the statement of Sir Henry James that the survey in question has been made generally available for the use of the public, both by the number of copies sold, and the means which it affords for the correction of the smaller survey of the kingdom, as well as the larger one about to be commenced, my Lords are of opinion that a portion of the cost may fairly be charged to the public, and approve therefore of the sum of 316 *l.* 6 *s.* 11 *d.*, being one-third of the total expense, being defrayed out of Vote 15, as recommended in your letter of 18th January last.

Captain Galton,
&c. &c. &c.

I am, &c.
(signed) *F. Peel.*

(No. 1069.)

Sir,

Audit Office, 15 November 1864.

I AM directed by the Commissioners for Auditing the Public Accounts to call your attention to an entry in the War Office books charging to Vote 4, 1863-64, "Purchase and Repair of Furniture, Bedding, &c., for Barracks," a sum of 52 *l.* 13 *s.* 2 *d.*, being the cost of Alga Marina supplied as bedding for the use of Troops on board ship proceeding from Sydney to England, and to state that as provision is made in the Navy Estimates for "Fittings, "Bedding, &c.," for Transports, it does not appear to the Commissioners that this sum is properly chargeable against Army Grants.

Captain Galton, &c. &c. &c.,
War Office.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500-2271.)

Sir,

War Office, 10 December 1864.

IN acknowledging the receipt of your letter of 15th Ultimo, No. 1069, calling attention to an entry in the books of this office debiting Vote 4 with the cost of Alga Marina supplied as Bedding for use of Troops proceeding from Sydney to England, I am directed by Earl de Grey and Ripon to enclose a copy of the communication received from the Lords Commissioners of Her Majesty's Treasury sanctioning the charge against Army Funds.

The Secretary to the Board of Audit.

I am, &c.
(signed) *Douglas Galton.*

(No. 16,416.)

Sir,

Treasury Chambers, 7 December 1864.

WITH reference to your letter of the 22d Ultimo, relative to a charge of 52 *l.* 13 *s.* 2 *d.* on account of Alga Marina, supplied as Bedding to Troops proceeding from Sydney to England between the years 1851 and 1854, I am directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Earl de Grey, that, as my Lords understand the question, the Admiralty do not appear to dispute the propriety of charging this expense to Navy Funds on ground of principle, but they object to admit the particular charge, on the ground of the lapse of time that has occurred since the transaction, and the want of evidence of the delivery of the stores to the Master of Transports.

It does not appear to my Lords that the objection of the Admiralty is unreasonable; and if they decline to admit the charge, their Lordships suppose that there is no alternative but to charge the expense to Army Funds.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *F. Peel.*

(No. 1097.)

Sir,

Audit Office, 18 November 1864.

THE Commissioners for Auditing the Public Accounts have had their attention called to an entry in the War Office books, Submitted No. 1250, debiting Vote 14, Part 1, with 559 *l.* 3 *s.* 6 *d.* for "expenses attending the sale of Barnard's Wharf, Rotherhithe, and "transfer of part of Woolmer Forest to War Department." It appears, from the papers connected with this transaction, that the property in question was sold for a sum of 16,700 *l.*; but it does not appear that the sum so realised has been brought to account in the War Office books.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—2242.)

Sir,

War Office, 25 November 1864.

IN reply to your letter of the 18th Instant (No. 1097), calling attention to an entry debiting Vote 14, Part 1, with 559*l.* 3*s.* 6*d.*, expenses attending the sale of Barnard's Wharf, Rotherhithe, and transfer of part of Woolmer Forest to this Department in exchange for the same, the value of which, it is observed, has not been brought to account in the books of this office, I am directed by Earl de Grey and Ripon to enclose a copy of a letter, dated 18th June 1863, conveying the approval of the Lords Commissioners of Her Majesty's Treasury to the exchange in question, and at the same time to acquaint you that the above amount is for Surveyor's and valuation charges incidental to the transfer, and which will appear as a special item in the Army Account, with the requisite explanation attached.

I have, &c.

(signed) *Douglas Galton.*

The Secretary to the Board of Audit.

(No. 8956.)

Sir,

Treasury Chambers, 18 June 1863.

WITH reference to your letter of the 15th Instant, relative to the exchange of Barnard's Wharf, Rotherhithe, for land at Woolmer, and stating that a purchaser has been found for the Wharf at the sum of 16,700*l.*, I am directed by the Lords Commissioners of Her Majesty's Treasury to signify to you their Lordships' approval of the proposal of Earl de Grey to effect the exchange with the Office of Woods, and to convey the Wharf to that Department, so that the Commissioners of Woods may complete the purchase and receive the purchase-money.

I am, &c.

(signed) *F. Peel.*Sir Edward Lugard, K. C. B.,
&c. &c. &c.

(No. 84.)

My Lords,

Audit Office, 24 February 1865.

WE have the honour to represent to your Lordships that we have received a communication from the War Office enclosing a copy of Mr. Peel's letter of the 25th Ultimo, addressed to the War Office, respecting a charge against the year 1863-64, on account of the pay, &c., of the Indian Native Troops serving in China; and we avail ourselves of this opportunity to bring under your Lordships' notice the question as to what should be considered the proper date of record in respect of services performed by one Department for another, especially as the absence of any fixed rule on the subject leads to great inconvenience.

Apart from the inexpediency of adopting different modes of recording similar transactions in the same Department, your Lordships have pointed out the "inconvenience that" would arise from debiting the Army Expenditure of succeeding years with charges for "this service (Pay of Indian Native Troops serving in China), which were really incurred "in previous years," and that "the Indian Government may be regarded in the light of "a Sub-accountant;" and we would submit, that this view applies with equal force to all services performed by one Department for another when the repayment to the Department performing the service does not take place in the same year as that in which the expenditure was incurred. The correct principle upon which a record of these transactions should be made appears to us to be to consider all public Departments as Sub-accountants to each other for the services performed; and we see no reason for excepting the East Indian Government, now that that Government is entirely under the Crown, from the operation of this rule.

We are aware that the Admiralty have always acted upon a different plan, but though free from the objection raised against the course followed by the War Office of recording similar transactions in different ways, we cannot but consider that the suggestion above made is more consonant with the spirit of the Appropriation Act, as tending to bring the record of the charges against the Votes in respect of services performed by one Department for another more within the year in which the expenditure comes in course of payment.

We have, &c.

(signed) *Edward Romilly.*
*W. L. Maberly.*The Lords
Commissioners of Her Majesty's Treasury,
&c. &c. &c.

(No. 1072.)

Sir,

Audit Office, 15 November 1864.

THE account of Clothing for Military Prisons, Vote 6, 1863-64, having been credited in the War Office books with 24*l.* 10*s.* 8*d.* in respect of Stoppages from the Pay of Men confined in Prisons for the use of Necessaries, I am directed by the Commissioners for Auditing the Public Accounts to request that, inasmuch as no deductions in respect of Stoppages appear in the Estimates for this service, they may be informed of the reasons for considering the Stoppages in question as credits to the Vote rather than to the Exchequer as an Extra Receipt.

Captain Galton, &c. &c. &c., War Office.

I have, &c.
(signed) C. Macaulay.

(No. 7500—2238.)

Sir,

War Office, 26 November 1864.

IN reply to your letter of the 15th Instant, No. 1072, relative to a credit of 24*l.* 10*s.* 8*d.* in the Books of this Office, to the head of "Clothing for Military Prisons," Vote 6, in respect of Stoppages from the Pay of Men confined in Prison, for the use of Necessaries, and requesting to be informed of the reasons for considering these Stoppages as credits to the Vote, I am directed by Earl de Grey and Ripon to inform you that the Estimate for the above head has been hitherto based upon a net result, the credits having been taken into consideration in the sum voted; and further, as regards the year 1865-66, now in course of preparation, the question is under consideration, with a view of obviating further objection on the part of the Commissioners of Audit.

The Secretary to the Board of Audit.

I have, &c.
(signed) Douglas Galton.

(No. 410.)

Sir,

Audit Office, 11 April 1864.

I AM directed by the Commissioners for Auditing the Public Accounts to advert to an entry made in the War Office books, crediting "Provisions," Vote 2, 1863-64, with 2,906*l.* 18*s.* 5*d.* for Excess Cost of Bread and Meat above the Stoppage of 4½*d.* for Depôts of Regiments serving in India in 1854-55; and "Forage," Vote 2, 1863-64, with 1,881*l.* 4*s.* 9*d.* for supplies to the Cavalry Depôt, Maidstone, in 1854-55, and to state that the Estimates for Provisions and Forage in the year 1854-55 do not afford any evidence that the amounts provided were "net;" the Commissioners therefore apprehend that these sums should have been treated as Extra Receipts, rather than as a credit to the Vote.

Captain Galton, &c. &c. &c.

I have, &c.
(signed) C. Macaulay.

(No. 7500—1904.)

Sir,

War Office, 9 May 1864.

IN acknowledging the receipt of your letter of the 11th Ult., No. 410, adverting to an entry in the books of this Department, crediting "Provisions," Vote 2, 1863-64, with 2,906*l.* 18*s.* 5*d.* Excess Cost of Bread and Meat above the Stoppage for Depôts of Regiments serving in India in 1854-55, and "Forage" with 1,881*l.* 4*s.* 9*d.* for supplies to the Cavalry Depôt, Maidstone, in the same year, and stating that the Estimates "do not afford any evidence "that the amounts provided were net," I am directed by the Earl de Grey and Ripon to acquaint you that Provision for Bread, Meat, and Forage was voted net in 1854-55, as will be apparent on reference to Ordnance and Commissariat Estimates where, at pages 13 and 7 of that year respectively, the Vote was granted net, no more than the excess cost beyond stoppage being taken into consideration, but whether a further abatement was made on account of the Cavalry Depôt at Maidstone, no evidence exists.

Under these circumstances, Lord de Grey considers the items have been correctly treated by this office.

The Secretary, Audit Office.

I have, &c.
(signed) Douglas Galton.

(No. 1070.)

Sir,

Audit Office, 15 November 1864.

THE attention of the Commissioners for Auditing the Public Accounts having been called to an entry in the War Office books, charging Vote 13, 1863-64, and relieving the Colonial Government of Canada to the extent of 25,568*l.* 0*s.* 9*d.* from claims which had
220. been

been raised against it in respect of small arms, &c., supplied to Militia and Volunteers, I am directed to request that they may be informed of the reasons for considering this sum as a proper charge against Army Grants.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—2236.)

Sir,

War Office, 7 March 1865.

IN reply to your letter of the 15th November last, I am directed by Earl de Grey and Ripon to acquaint you, for the information of the Commissioners for Auditing the Public Accounts, that the circumstances which gave rise to the surcharge against the Army Grants for the sum of Twenty-five thousand, five hundred and sixty-eight pounds and ninepence (25,568 *l.* 0 *s.* 9 *d.*), in respect to the Small Arms supplied from time to time for the use of the Canadian Militia and Volunteers are as follows.

The cost of these Small Arms was originally, when the articles were purchased or manufactured by the Enfield Factory, as the case may have been, charged against the Vote. They were consigned to the storekeeper in British North America for the use of the regular forces if needed, but upon the organization of the Local Militia and Volunteers, the arms in question were issued upon the requisitions of duly constituted authorities, as if upon sale.

The Local Government, however, objected to pay for these arms, and contended that they were merely lent for the purpose of assisting in carrying on the drill, &c.; in this view, Earl de Grey and Ripon concurs, and a withdrawal of the claim has therefore been ordered.

Under these circumstances, and as the Colonial Government had been debited in the War Office books with the value of the arms so issued, and the Vote simultaneously credited with the value, directions were given to cancel the transactions, which could only be carried out by revising the series of entries based upon the various issue notes forwarded from this station, notwithstanding the diversity of dates, and the final debit made as an element in the Parliamentary Account for 1863-64. I am to add that had not the account "Army Supplies, Prior Years," been in abeyance for 1863-64, the sum of Twenty five thousand, five hundred and sixty-eight pounds and ninepence (25,568 *l.* 0 *s.* 9 *d.*) would have appeared therein as an unprovided service in that year.

The Secretary to the Board of Audit.

I have, &c.
(signed) *Edward Lugard.*

(No. 529.)

Sir,

Audit Office, 6 May 1864.

THE attention of the Commissioners for Auditing the Public Accounts has been called to an entry in the War Office books, charging the Foreign Office, and crediting Vote 1, 1863-64, "Regimental Pay," with 633 *l.* 4 *s.* 11 *d.* in respect of the Pay of Officers of the Royal Engineers employed on the North American Boundary Survey.

With reference to this entry, I am directed by the Commissioners to observe that at page 61 of the Army Estimate for 1862-63, it is shown that 44 Lieutenant Colonels were then borne on the establishment of the Royal Engineers; viz., 32 at 17 *s.* 11 *d.*, and 12 at 15 *s.* 11 *d.* a day, and that it appears from the monthly Army Lists that in April 1862 there were 37, and in March 1863, 40 Lieutenant Colonels, Royal Engineers, on Full Pay, of whom Lieutenant Colonel Hawkins was one.

Under these circumstances it appears to the Commissioners that the Pay of these Officers is chargeable to Vote 1, Regimental Pay, and that anything recovered in respect thereof from other sources should have been treated as an Extra Receipt.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1958.)

Sir,

War Office, 26 May 1864.

IN acknowledging the receipt of your letter of 6th Instant, No. 529, relative to charges against the Foreign Office, and credits to Vote 1, Regimental Pay, in respect of the Pay of Officers of the Royal Engineers employed in the North American Boundary Survey, which is considered by the Commissioners of Audit as a Debit to the Vote, and a Credit to Exchequer Extra Receipts, I am directed by Earl de Grey and Ripon to acquaint you that in section 5, Vote 28, Civil Service Estimates, 1863-64, a sum of Four thousand three hundred pounds (4,300 *l.*) is granted to complete the expenses of Surveying the line of boundary between the British and United States territory on the western part of North America, which grant it is considered should bear the expense in question, and the saving thereby effected in Army Votes will ultimately be made available in aid of Ways and Means. Under these circumstances Lord de Grey and Ripon is of opinion that the record in the books of this Office is correct.

C. Macaulay, Esq.,
Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 187.)

My Lords,

Audit Office, 15 May 1863.

WITH reference to Mr. Peel's letter of the 28th January last, No. 1359, conveying directions that we should bring under your Lordships' notice any difficulties which might arise in the examination of the Army Account in connexion with the revised Army Estimates for the year 1863-64, we have the honour to bring under your Lordships' notice a difficulty which has arisen in checking the charges made against various Votes in respect of the purchase of stores.

The Purchase of Stores is estimated for, under several Votes; for instance—

Commissariat Stores	-	-	-	-	-	-	-	-	Vote 2
Stores for Clothing Establishment	-	-	-	-	-	-	-	-	„ 3
Barrack Stores	-	-	-	-	-	-	-	-	„ 4
Prison Stores	-	-	-	-	-	-	-	-	„ 6
Medical Stores	-	-	-	-	-	-	-	-	„ 7
Stores for Manufacturing Departments	-	-	-	-	-	-	-	-	„ 12
Stores generally	-	-	-	-	-	-	-	-	„ 13

Purchases are made of Stores from time to time to replenish the Stock which it is necessary to keep in hand, and the head of Service for which the Store is nominally required is charged therewith. Several of the Stores however required for the different Services are of the same description; and thus in the event of Stores originally charged to one head of Service being eventually issued for another, it would not be in our power to detect the ultimate misappropriation.

The principle of charging to several different Votes, articles of a precisely similar nature, and which are delivered into one general Store, from which they are subsequently issued, appears to us to be open to objection, inasmuch as a charge may thus have been raised against a Vote for which that Vote would not be liable.

Under these circumstances we cannot but consider that whenever there is a general Store, the proper mode of record is that the general Vote for Stores should bear the first charge to be relieved therefrom, and the proper Vote charged upon the issue of the Store when it is ascertained for what Service such issue was made; and here becomes apparent the want of such a system as would connect the Cash and Store Account. For the Navy, regular entries are made quarterly of Stores issued for other Services than those to which the cost of those Stores had been originally charged, but in the War Office such entries are not made, and in the absence of such a connecting link between Cash and Store, we think it must be apparent that any attempt on our part to check the appropriation of the amount voted for Stores cannot but be inefficient.

We have, &c.

The Lords Commissioners of
Her Majesty's Treasury.

(signed) *Edward Romilly.*
W. L. Maberly.

(No. 230.)

My Lords,

Audit Office, 4 July 1864.

WITH reference to your Lordships' instructions, conveyed to us in Mr. Peel's letter of the 28th January 1863, No. 1359, viz., that "we should bring under your Lordships' notice any difficulties that may occur in working the new system (in the War Office), in reference to the Appropriation Audit, with a view to their consideration before the preparation of the Estimates of 1864-65," we have the honour to bring under your Lordships' notice, the following difficulties which have arisen in our examination of the Army Account, in continuation of that adverted to in our Report of the 15th May 1863. These difficulties mainly arise from the fact that the items relating to services which have been specifically included in certain Votes are occasionally stated by the War Office to be provided for under other Votes, though in the Estimates submitted to Parliament, by which alone we are guided in checking the Accounts, there is nothing to support that conclusion.

We have selected some of the cases, in order to afford an illustration of the difficulties referred to, and we annex in each case a copy of the correspondence which has passed:—

1. Contribution of 500*l.* towards the erection of a School in connexion with the Victoria Lodging House, charged against Vote 14: "Works, Buildings, and Repairs." Part 1, "Regimental Schools and Chapels." The cost of establishing this School is to be defrayed, with the exception of this 500*l.*, out of Funds obtained exclusively by private subscription. It would seem to us that the provision made in Vote 14 is for such Buildings only as may be Government Property, whilst the item in Vote 17, "Grants in aid of Churches and Schools," appears clearly to meet such cases as the present one, in which it is necessary for Government to aid private undertakings, without thereby acquiring any right of property. It is stated, however, by the War Office, that this contribution was included in the Estimate for Vote 14.

Audit Office Letter,
No. 435, 15 Apr. 1864.
War Office Letter,
No. 7500—1914, 3 May
1864.

2. A charge to Vote 14, "Works, Buildings, and Repairs," Part 1, "Special Engineer Services, China, New Zealand, &c.," of 143*l.* 9*s.* 6*d.* for Gun Cotton to be used in the demolition of the Fortifications at Corfu. Gunpowder and all like Stores and Munitions of War are shown by the printed Estimates to be provided for in Votes 13 or 12, not in Vote 14, which latter has, so far as we are aware, never been charged with the value of such Stores when applied to Works: besides, the item referred to in the Supplementary Estimate 1863-64 does not specify this work at the Ionian Islands, and inasmuch as everything mentioned has reference either to Indian Service, or to China and New Zealand, the "&c." pointed to by the War Office might as fairly be taken to cover the expense of Engineer Works at Chatham, or elsewhere, as at the Ionian Islands. The Votes which provide for Gunpowder, viz., 12 and 13, will, as usual, remain charged with the large quantities of that article used for precisely the same purpose as this Gun Cotton.

3. Various charges raised against Vote 14, "Works, Buildings, and Repairs," Part 3, "Ordinary and Current Repairs," in respect of "Surveys and Sketches of Defensive Positions." It is stated in Captain Galton's letter, that these are "undertaken with a view to designing Works of Defence for the protection of London." The Reports of the Survey Department upon the subject would, however, lead to the conclusion that these Surveys are specially calculated rather for the assistance of an Officer in selecting and strengthening Positions, and otherwise disposing, from time to time, of the Forces under his command in the Field, not with any view to the construction of Fortifications strictly so called, nor has Parliament sanctioned any scheme for the erection of Fortifications round London, to which these Surveys could be preliminary. Subsequent charges in respect of the survey of the Surrey Hills and of the Thames Valley, apparently services of a precisely similar character to the above, have been charged to what we should consider the correct head of service, viz., Surveys, Vote 16.

4. A payment of 23*l.* 7*s.* 1*d.* for Repairs to the Small Arms Factory, Birmingham, has been charged to Vote 14, although it is clearly shown in the printed Estimates that provision is made in Vote 12 for the maintenance of Buildings of the Manufacturing Departments. The Statement of the War Office that this work at Birmingham has been specially included in Vote 14, in the Sum of 695*l.*, is not supported by any evidence in the printed Estimates.

5. Gunpowder Barrels. The printed Estimates on the one hand show a specific provision for these articles in Vote 13, whilst the War Office on the other hand maintain that provision is also made in another Vote, viz., Vote 12, in the Estimate for which nothing of the kind is specified.

6. Cost of Musket Stocks in the rough, charged to Vote 13, "Small Arms." It is true, as pointed out by the War Office, that with regard to such Stocks as may be issued to Contractors, the course of record, though technically informal, is ultimately corrected by a subsequent arrangement; yet Vote 13 remains charged with the value of all Stocks used as Materials in the Government Factory. Vote 12 is thereby relieved to that extent, and in any return professing to show the result of Work performed, the Department will necessarily appear to have produced greater results from "Materials of a given value" than is actually the case.

The correspondence attached to this Report will tend to explain the circumstance that our observations on the Army Account have, of late, greatly increased in number. The printed Estimates furnish the only rule by which we can be guided in checking the classification of War Office Expenditure. It is, therefore, obvious that whenever the rule which the War Office follow in classifying their expenditure is derived from any other source than the printed Estimates, it will be impossible to avoid differences of opinion as to the Votes to which particular items should be charged; and considering that our examination of the Naval Expenditure very rarely, if ever, gives rise to similar differences of opinion, we are led to the conclusion that the increasing number of the questions on the Army Accounts can only be referred to the form in which the Army Estimates have of late been prepared for presentation to Parliament, and to the fact that those Estimates do not clearly exhibit the intentions of the Department, as in the case of the Estimates for Naval Services.

In connexion with the above observations, we beg leave to refer to Mr. Peel's letter to us of the 11th February 1863, No. 2062, by which it appears that in your Lordships' opinion it is desirable that the Estimates of the two Departments should be framed, as far as possible, on the same principle.

We have, &c.
(signed) *Henry Arbuthnot.*
W. L. Maberly.

The Lords Commissioners of
Her Majesty's Treasury.

Audit Office Letter,
No. 496, 30 Apr. 1864.
War Office Letter,
No. 7500-1942, 12
May 1864.

Audit Office Letter,
No. 494, 30 Apr. 1864.
War Office Letter,
No. 1750-1942, 12
May 1864.

Audit Office Letter,
No. 527, 6 May 1864.
War Office Letter,
No. 7500-1960, 13
May 1864.

Audit Office Letter,
No. 497, 30 Apr. 1864.
War Office Letter,
No. 7500-1945, 26
May 1864.

Audit Office Letter,
No. 498, 30 Apr. 1864.
War Office Letter,
No. 7500-1946, 13
May 1864.

(No. 435.)

Sir,

Audit Office, 15 April 1864.

I AM directed by the Commissioners for Auditing the Public Accounts to observe that it appears to them (as at present advised) that the charge of 500*l.*, which has been raised in the War Office books against Vote 14, Part 1, "Regimental Schools and Chapels," in respect of a contribution in aid of the erection of a School in connexion with the "Victoria Lodging House," is more properly chargeable to Vote 17, under which Vote provision is made for "Grants in aid of Churches and Schools."

Captain Galton, &c. &c. &c.,
War Office.

I have, &c.
(signed) *C. Macaulay*

(No. 7500—1914.)

Sir,

War Office, 3 May 1864.

IN acknowledging the receipt of your letter of the 15th Ultimo, observing that (as at present advised) a charge of 500*l.* raised by this Office against Vote 14, Part 1, Regimental Schools and Chapels, in respect of a contribution towards the erection of a School in connexion with the Victoria Lodging House, would appear more properly chargeable to Vote 17, Grants in Aid of Churches and Schools, I am directed by Earl de Grey and Ripon to acquaint you that the sum in question forms a portion of the 15,000*l.* granted by Parliament, under Vote 14, Part 1, Regimental Schools and Chapels, and was so inserted, on the ground of the contribution being towards the erection of a School of a Military character, whilst provision is made, under Vote 17, for contributions in support of National Schools.

The Secretary, Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 496.)

Sir,

Audit Office, 30 April 1864.

WITH reference to an entry in the War Office books, debiting Vote 14, 1863-64, "Special Engineer Services," with 143*l.* 9*s.* 6*d.*, being the cost of gun cotton purchased from the Austrian Government to be used in the demolition of the Fortifications at Corfu, I am directed by the Commissioners for Auditing the Public Accounts to state, that it appears to them that this sum should rather have been charged to the head of "Gunpowder," Vote 13 (which Vote they apprehend would remain charged with the value of Gunpowder used in the demolition of these Fortifications), than to Vote 14, "Works, Buildings, and Repairs at Home and Abroad."

Captain Galton, War Office.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1944.)

Sir,

War Office, 12 May 1864.

IN reply to your letter of the 30th Ultimo, referring to an entry in the books of this Office, debiting Vote 14, 1863-64, "Special Engineer Services," with 143*l.* 9*s.* 6*d.* on account of gun cotton purchased from the Austrian Government, and required in the demolition of the Fortifications at Corfu, which appears to the Commissioners of Audit as chargeable to the head of "Gunpowder," Vote 13, I am directed by Earl de Grey and Ripon to acquaint you that there is no provision whatever for gun cotton under the latter Vote, and further, that a sum of 2,000*l.* for the several charges connected with the work in question was provided by Parliament in the amount of 12,000*l.* taken in the Supplementary Estimate, 1863-64, under the head of "Special Engineer Services, China, New Zealand, &c.," and in which general charges may be enumerated, Electrical Machines, Needle Instruments, Mercury Cups, &c., required in this operation.

The Secretary, Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 494.)

Sir,

Audit Office, 30 April 1864.

SEVERAL payments in respect of Surveys and Sketches of Defensive Positions having been charged in the War Office books to Vote 14, 1863-64, "Works, Buildings, and Repairs," I am directed by the Commissioners for Auditing the Public Accounts to state that, inasmuch as these Surveys and Sketches do not seem to have been made as a step preliminary to the commencement of any Work or Buildings, it appears to them that the payments in question are more properly chargeable under the Head of "Surveys," Vote 16.

Captain Galton, &c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1942.)

Sir,

War Office, 12 May 1864.

IN acknowledging the receipt of your letter of the 30th Ult., No. 494, directing the attention of this Office to several payments in respect of Surveys and Sketches of Defensive Positions having been charged to Vote 14, 1863-64, Works, &c., which appear to the Commissioners of Audit as more properly chargeable to the Vote for Surveys, No. 16. I am directed by Earl de Grey and Ripon to acquaint you that these Surveys, which are undertaken with a view to designing Works of Defence for the protection of London, have from the commencement of the work been provided under Part 3 of the Vote charged.

Under these circumstances Lord de Grey is of opinion that the record is correct, the service being one strictly applicable to Works.

The Secretary, Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 527.)

Sir,

Audit Office, 6 May 1864.

A SUM of 23*l.* 7*s.* 1*d.* in respect of repairs to the "Small Arms Factory at Birmingham" having been charged in the War Office books to Vote 14, 1863-64, "Works and Buildings," I am directed by the Commissioners for Auditing the Public Accounts to state, that it appears to them that this sum is properly chargeable to Vote 12, wherein provision is made for the maintenance of the Buildings of the Manufacturing Departments.

Captain Galton, &c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1960.)

Sir,

War Office, 13 May 1864.

IN acknowledging the receipt of your letter of the 6th Instant, No. 527, pointing out that a sum of twenty-three pounds, seven shillings, and one penny (23*l.* 7*s.* 1*d.*), has been charged in the books of this Office to Vote 14, 1863-64, Works and Buildings, in respect of Repairs to the Small Arms Factory at Birmingham, which appears to the Commissioners to be properly chargeable to Vote 12, wherein provision is made for the maintenance of the Buildings of the Manufacturing Departments, I am directed by Earl de Grey and Ripon to acquaint you that a sum of forty-five pounds (45*l.*) has been taken in the Estimate for the Birmingham District for Incidentals in the Small Arm Establishment at that station, and which amount has been voted by Parliament in the sum of six hundred and ninety-five pounds (695*l.*), shown at page 48 of the Army Estimates for 1863-64.

The Secretary, Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 497.)

Sir,

Audit Office, 30 April 1864.

A CERTAIN amount of expenditure having been charged in the books of the War Office to Vote 12, 1863-64, under the head of Materials for the Royal Gunpowder Factory, in respect of the purchase of "whole Gunpowder Barrels," I am directed by the Commissioners for auditing the Public Accounts to state that it appears to them that these purchases belong more properly to Vote 13, which specially provides for the purchase of Powder Barrels.

Captain Galton, &c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1945.)

Sir,

War Office, 26 May 1864.

IN acknowledging the receipt of your letter of the 30th Ultimo, No. 497, adverting to charges against Vote 12, 1863-64, under the head of "Materials" in respect of whole Gunpowder Barrels, which appear to the Commissioners as more properly applicable to Vote 13, which specially provides for Powder Barrels, I am directed by Earl de Grey and Ripon to acquaint you that provision has been made by Parliament for these supplies under both Votes, viz., under Vote 12, Royal Gunpowder Factory, Waltham Abbey, for those delivered at that station for Powder there manufactured, and again under Vote 13, for those required at Purfleet, &c., for store and issue to the Gunpowder Merchants.

C. Macaulay, Esq., Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 498.)

Sir,

Audit Office, 30 April 1864.

WITH reference to payments which have been made for the purchase of Wood for Stocks of Small Arms to be manufactured at Enfield, and which are charged in the War Office books to Vote 13, 1863-64, "Purchase and Repair of Small Arms," I am directed by the Commissioners for Auditing the Public Accounts to state that it appears to them that these charges should have been recorded against Vote 12, under the head of "Materials for the Royal Small Arms Establishments," rather than against Vote 13, which provides for the purchase of the finished article.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7500—1946.)

Sir,

War Office, 13 May 1864.

IN reply to your letter of the 30th Ultimo, No. 498, relative to the charges against Vote 13, "Purchase and Repair of Small Arms," on account of purchase of Musket Stocks, which appear to the Commissioners of Audit as applicable to Vote 12, "Materials, Royal Small Arm Establishment," rather than against the former Vote, which provides for the finished article, I am directed by Earl de Grey and Ripon to acquaint you that Stocks are provided under Vote 13, not only for the above Establishment, but also those for issue to Contractors for Small Arms, the object being to ensure their being sound and well-seasoned wood, and on account of which a proportionate reduction is made in the contract price to the Trade for the Complete Arm; thus the Vote becomes charged, first, with the price of the Stock, and, secondly, with the Contractor's price for the Weapon, from which the value of the Stock is abated, thus completing the debit against Vote 13. Under these circumstances Lord de Grey is of opinion that the charge, as recorded, is correct, and is in accordance with the Vote of Parliament.

The Secretary to the Audit Office.

I have, &c.
(signed) *Douglas Galton.*

(No. 255.)

Sir,

Audit Office, 9 March 1865.

I AM directed by the Commissioners for Auditing the Public Accounts, with reference to the account of Army Receipt and Expenditure for the year 1863-64, transmitted in your letter of the 8th instant, 7512-137, to request that they may be furnished with a statement of the number and amount of the accounts relating to the year 1863-64; received in office, which had not been examined or included in the account rendered for that year; also a statement of the number of accounts which had not been received in office when the account for the year 1863-64 was closed.

Captain Galton,
&c. &c. &c.

I have, &c.
(signed) *C. Macaulay.*

(No. 7512—138.)

Sir,

War Office, 23 March 1865.

IN reply to your letter, No. 255, dated 9th March 1865, I am directed by Earl de Grey and Ripon to transmit a statement of the number and amount of accounts relating to the year 1863-64, and prior years, received in this office, which have not been included in the Parliamentary Account for 1863-64, and a statement of the number of accounts which were not received when the account was closed.

The Secretary to the Board of Audit.

I have, &c.
(signed) *Edward Lugard.*

STATEMENT of the Number and Amount of the ACCOUNTS relating to the year 1863-64, and prior years, received in Office, but which have not been included in the Parliamentary Account for 1863-64.

— Nil. —

STATEMENT of the Number of ACCOUNTS which were not Received in Office when the Account for 1863-64 was Closed.

Pay List.—C. Battery, 4th Brigade, Royal Artillery, March quarter, 1864.

Ditto - (Voyage Pay Lists) 5th Dragoons, from 1st July 1863.

Ditto - 2d Battalion, 20th Foot, China, March quarter, 1864.

Ditto - (Voyage Pay List) 36th Foot, from 1st July 1863.

Ditto - 99th Foot, March quarter, 1864.

Ditto - Detachment Army Hospital Corps, Bermuda, March quarter, 1864.

Gold Coast Military Account, December quarter, 1863.

Ditto - - - ditto - - March quarter, 1864.

New Zealand Treasury Chest Account, November 1863.

China Treasury Chest Account, June 1863.

ARMY AND MILITIA.

1863-64.

COPY of an Account of the RECEIPT and
EXPENDITURE for ARMY and MILITIA SERVICES,
for the Year ended 31st March 1864.

(Pursuant to Act 9 & 10 Vict. c. 92, s. 2.)

Ordered, by The House of Commons, to be Printed,
25 April 1865.

220.

Under 4 oz.

ARMSTRONG GUNS.

RETURN to an Address of the Honourable The House of Commons,
dated 25 April 1865 ;—for,

A “ COPY of the REPORT of Admiral *Kuper* in reference to the ARMSTRONG
GUNS in the Action of *Simonosaki*.”

War Office, }
5 May 1865. }

HARTINGTON.

REPORTS ON ARMSTRONG GUNS engaged at *Simonosaki*.

Sir,

“ *Euryalus*,” at Yokohama, 7 October 1864.

I HAVE the honour to forward herewith, for the information of the Lords Commissioners of the Admiralty, reports from the ships named in the margin, on the performance of the Armstrong guns engaged in the recent operations in the Straits of *Simonosaki*.

2. My late experience of the working of these guns has served to confirm me in my opinion that the vent-pieces, as at present fitted, and particularly in the 110-pounder gun, are too easily put out of order to render the guns perfectly efficient as a naval weapon.

“ *Euryalus*.”
“ *Tartar*.”
“ *Conqueror*.”
“ *Barrosa*.”
“ *Leopard*.”
“ *Argus*.”
“ *Perseus*.”
“ *Coquette*.”

I have, &c.

(signed) *Augustus L. Kuper*,

Vice Admiral and Commander in Chief.

The Secretary of the Admiralty.

REPORT of ARMSTRONG GUNS of Her Majesty's Ship “*Euryalus*,” fired during the Engagement with the Forts at *Simonosaki* on the 6th September 1864.

110-pounder, No. 96. From this gun 25 rounds were fired, 22 common shell, pillar fuze, and 3 shot. The first 12 rounds were fired with vent-piece No. 958, Taylor's wrought iron R. G. F., which then split across the back, and was changed for No. 774, Taylor's wrought-iron R. G. F. was used for firing the remaining rounds, without sustaining any injury. The gun being still loaded, prevents an examination of the grooves, but up to the last time of loading, no damage had been observed. The total number of rounds fired with the broken vent-piece, No. 958, was 26, viz., 14 at *Kagosima*, and 12 on this occasion.

40-pounder, No.	9	fired 1 shot and shell	-	-	-	no damage.
	45	„ 1 shot-	-	-	-	no damage.
	40	„ 1 shot	-	-	-	no damage.
	7	„ 1 shot and 3 shells (seg.)	-	-	-	no damage.
	52	„ 1 shot and 1 shell (seg.)	-	-	-	no damage.
	80	„ 1 shot and 2 shells (seg.)	-	-	-	no damage.
	211	„ 1 shot and 3 shells (seg.)	-	-	-	no damage.
20-pounder, No.	96	„ 1 shot and 1 shell (seg.)	-	-	-	no damage.

The 40-pounders being still loaded, cannot be examined. None of the vent-pieces have sustained any injury.

REMARKS.

The 110-pounder pivot gun was fired at distances ranging from 2,500 to 4,500 yards, with deviations from 7 to 13 degrees. For the first five rounds the gun worked easily; but after the fifth, the vent-piece began to swell considerably, so that some difficulty was found in getting it out after the breech was unscrewed; this difficulty continued to increase until after the 12th round, when the gun was delayed for about five minutes by the impossibility of getting it out until it had cooled a little. The vent-piece by which it was replaced showed no signs of swelling during the 13 rounds which were fired with it. Considerable difficulty was found in forcing home the shell after the first five rounds, as the inner part of the breech-screw became burred by the shock of the recoil; sometimes it took ten men to ram it home; once beyond the breech-screw, however, it went up easily enough into the seat of the shot. When firing at short ranges (up to about 7 degrees), the gun can be worked quickly, as no great strain is brought upon any part, and the gun can be reloaded directly after being run out without elevation; with more than 7 degrees elevation, however, the bed has to be removed, and the elevating screw can no longer be used. The strain upon the coin is so great, that it invariably flies out and lets the gun down on the rear chock, so that time is lost in loading, as the gun must be elevated to allow the men who ram home the projectile to bring their whole strength upon the rammer.

None of these disadvantages are felt in the 40-pounders, which being so much lighter are easily managed; those belonging to this ship, however, were not used often enough to give us a good opportunity of judging.

There seems to be one defect in all the Armstrong carriages, which might easily be remedied—none of them are made high enough in the fore part to give the gun the elevation corresponding to its great range. If the carriages for the 40-pounder quarter-deck guns were made much higher, and the hammock nettings made to unship, an elevation of 11 or 12 degrees might be given without removing the elevating screw, which would be a great convenience and much facilitate the working of the gun at long ranges.

Too much cannot be said in favour of the 110-pounder common shell, which from its large bursting charge is a most terrible weapon; the pillar fuzes with which all ours were fired seemed to burst very well indeed; in fact, none that we observed missed: whether they would do so at shorter ranges, when the shock of striking would not be so great, we have had no opportunities of judging. The difficulty caused by the expansion of the vent-pieces by heat might be guarded against by keeping three at each gun during action, and using them for five rounds alternately; each might then be carefully cleaned and examined before being used again, so that the slightest flaw might be at once detected.

If one vent-piece be used for a long time, it might be seriously cracked without attracting notice; the breech-screw, which generally works rather hard after a few rounds have been fired, might be eased considerably by being run out to the end, and washed down with a few buckets of water.

(signed) *Richard E. Tracey,*
Gunnery Lieutenant.

Approved,
W. M. Dowell, Captain.

 REPORT on the ARMSTRONG GUNS.

Her Majesty's Ship "Tartar," Inland Sea, Japan,
21 September, 1864.

Sir,
WITH reference to your general memorandum of the 14th instant, relative to the efficiency of the Armstrong gun, I have the honour to state that I consider its accuracy and power makes it very valuable as a long-range gun, but

but for any distance not much exceeding 1,500 yards, more particularly for naval action, when a few minutes' delay in firing might be fatal, I consider the 95 cwt. smooth-bore, on the whole, its equal, though the effect of the spherical shell is certainly very much less.

2. The jamming or splitting of the vent-piece I consider the chief objection to this description of gun (110 pounder) on board the "Tartar;" in my opinion this is chiefly attributable to these guns being overcharged (unless when extraordinary range or penetration is required), when the great and possibly useless resistance to the shot is considered.

3. On the 5th September about 50 rounds were fired with the same vent-piece, no delay or accident of any sort occurring, the gun and vent-piece remaining uninjured. On the 6th the vent-piece showed several marks cut by the gas after eight or ten rounds had been fired; the cuts or flaws being about $\frac{1}{32}$ of an inch deep and $\frac{1}{4}$ broad. A new vent-piece was now used, which jammed slightly the first round, requiring the end of a handspike to remove it; it jammed again after about 10 rounds, giving more trouble and causing a loss of several minutes to clear it, the vent-piece apparently uninjured. About the 20th round the vent-piece again jammed so firmly that it required 10 minutes to remove it; this was done by a rammer from the muzzle struck by a maul, while a handspike was used in the loops.

4. On the 8th the gun was again used with the same (or second) vent-piece, and fired about 28 times at ranges from 4,000 to 2,500 yards: nothing was observed to go wrong till the firing ceased, when the vent-piece was found to be split near the centre of bottom, extending two inches and half an inch deep, apparently a welding or previous flaw in the metal; both these vent-pieces are still serviceable, the first having been re-faced; a considerable flaw was also found in the bush-ring, as described in the accompanying report. The bush has been replaced, and the gun is now ready for any service, but as a shell still remains in it, it is impossible to examine the bore minutely; this will be done as soon as possible, and a further report sent should there appear anything worthy of remark.

5. The whole of the fuzes supplied for this gun, both time and pillar, proved very uncertain, the former nearly always bursting short of the time set for, and not half of the latter exploding on striking, the object struck being dry clay and sand, and in some places gravel; they never exploded on striking the water; one shell with pillar fuze open at the end burst on leaving the gun; those closed at the rear are marked E x 1 $\uparrow$ A. P., the open ones are marked T $\uparrow$ A and on the open end P.

6. The smoke from these guns (caused by the lubrication, I suppose,) is in some instances very inconvenient; both on the 5th and 6th of September, though there was light breeze sufficient to clear the smoke from an ordinary gun in time to see where the shot struck at a range of 1,700 yards, the thick yellowed smoke from the Armstrong gun prevented our doing so. It was impossible to say exactly what shells did or did not explode, as the smoke from the enemy's guns had exactly the same appearance from the ship. Very many of Moorsom's shells from our eight-inch broadside guns certainly did not explode on striking, and I believe the metal time-fuzes used with the same guns seldom exploded after burying themselves in the clay or sand.

7. The fuzes of the French shells thrown from their well-shooting rifled guns apparently gave about the same results.

(signed) *John M. Hayes, Captain.*

ARMSTRONG GUNS.

REPORT from Her Majesty's Ship "Tartar," 17 September 1864.

Name of Ship.	Nature of Gun, with its Number and Description Marks; also Date of Issue, and whence.	Particulars of Manufacture.	Detail of Flaws recorded up to Date of last Return.	Total Rounds fired up to Date of last Return.	Fired during the Recent Operations at Simonosaki.			Detail of Flaws developed during current Quarter, annexing Number when they are new ones.	Vent-pieces, Material, Pattern, and Number of Rounds fired with each. F. against any re-faced this Quarter. R. against any which have received a New Ring.		If Breech Screw is Damaged.	Other Accidents and General Remarks applying to Ammunition, Fuzes, &c. &c.
					Blank.	Shot.	Shell.		Serviceable.	Unserviceable.		
"Tartar"	110-pounder, No. 169, R. G. F.—W. D., Nov. 1862, Gun Wharf, Portsmouth. Received on board "Tartar," July 1863, from Her Majesty's Ship "Bacchante," February, Her Majesty's Ship "Sutlej."	A. tube Coiled breech bush. Iron, thin.	Slight flaw in bore, $\frac{1}{4}$ L. of up 1 L., flaw $6\frac{1}{4}$ D. Slight flaw 10 L. of up, $13\frac{3}{4}$ R. of up. Flaw 29 L. of D. to up. Slight flaw $45\frac{1}{2}$ R., $79\frac{1}{4}$ L., $80\frac{1}{2}$ less. Slight flaw in powder chamber, at $5\frac{1}{2}$ L. $6\frac{1}{4}$ L. of up.	Nil.	-	5	84	No alteration appears to have taken place in the flaws previously reported; but as a shell is still in the gun, it is impossible to make full examination; this will be done as soon as the shell can be removed, and a further report made. Bush-ring damaged, apparently welding flaws, $\frac{1}{4}$ of an inch from seat of vent-piece, extending from bottom; 4 inches up left has been replaced, and the gun, to all appearances, serviceable.	No. 5. 4 wrought iron. 1 Swedish iron. R. No. 256, Cammelli's Swedish iron, new pattern, damaged in upper quarter round edge of fitting face, left of neck, apparently caused by gas escaping between vent-piece and bush-ring; flaws $1\frac{1}{32}$ of an inch deep and $\frac{1}{4}$ of an inch in width, re-faced; still serviceable. Shifted at the 60th round.	None	No	Accidents, none. Gun was found to work well; vent-piece, No. 932, jammed three times; twice easily removed, third time required great force to remove it. Ammunition found to be good. Fuzes.—White metal fuzes were observed to burst before reaching the distance required. Pillar fuzes were not observed to burst regularly. The rapid firing in action, and consequent smoke, renders it impossible to give an accurate account of the fuzes.
									Vent-piece, No. 932, O. P., Taylor's wrought iron; welding flaw in centre of bottom, extending 2 inches round and probably $\frac{1}{2}$ an inch deep; 30 rounds fired. Flaw not observed till after action; still serviceable.			

(signed)

John M. Hayes, Captain.

Forwarding REPORT on the ARMSTRONG GUNS.

Her Majesty's Ship "Conqueror," at Simonosaki,
15 September, 1864.

Sir,

In compliance with your memorandum of the 14th inst., I have the honour to enclose a return of the Armstrong guns on board Her Majesty's ship under my command. The amount of firing was too small really to test the efficiency of the guns, but so far as it went the practice was satisfactory, the range accurate, and the shells (pillar fuzes) all burst.

Vice-Admiral Sir A. L. Kuper, K. C. B.,
Commander-in-Chief.

I have, &c.
(signed) *W. G. Luard*,
Captain.

Her Majesty's Ship "Conqueror," Simonosaki, 14 September 1864.

REPORT ON ARMSTRONG GUNS.

Nature of Gun.	Number and Description.	Number of Times Fired.	Efficiency.	Damage to Gun.
110-pounder	No. 505 R. G. F.	3 times	Satisfactory	Upper bracket-bolt slightly started in carriage.
110 "	554 "	10 "	"	Ditto, also right rear axle-bolt started.
40 "	74 E. O. & C.	9 "	"	
40 "	8 "	2 "	"	
40 "	180 "	- "	"	
40 "	115 "	1 "	"	
40 "	95 "	- "	"	
40 "	128 "	- "	"	
40 "	94 "	- "	"	
40 "	68 "	- "	"	
40 "	67 "	- "	"	
40 "	87 "	- "	"	
20 "	119 "	10 "	"	
12-pounder field-piece.	38 R. G. F.	- "	"	

(signed) *S. Grove Price*,
Gunnery Lieutenant.

Approved,
W. G. Luard, Captain.

Her Majesty's Ship "Barrosa," Simonosaki, 15 September 1864.

REPORT ON ARMSTRONG GUNS.

Number.	Description.	Number of Rounds Fired.	Opinion as to Efficiency.	Particulars of Accident or Damage.
1	110-pounder, Register No. 265	65	- - -	2 vent-pieces slightly split.
1	40 " "	38	Very accurate	1 No. 484 Taylor's wrought-iron R. G. F., split in rear part of vent-piece; 5½ inches horizontal.
1	40 " "	60	Shell burst well	
4	40 " "	170	Guns are in good condition.	2 No. 737, Taylor's wrought-iron R. G. F., slightly split in rear part of vent-piece; 4 inches perpendicular, 1½ inches diagonal.
	40 " "	171		
1	12 " "	37	- - -	No. 229, Taylor's wrought-iron R. G. F., slightly split in rear part of vent-piece, 4 inches perpendicular.
1	12 " " (Field-piece.)	103	Nothing fired.	No damage or accident.

(signed) *W. H. Cuming*,
Acting Commander in Temporary Charge.

Forwarding a REPORT of the ARMSTRONG GUNS on board Her Majesty's Ship "Leopard."

Her Majesty's Ship "Leopard,"

Sir,

Straits of Simonosaki, Japan, 15 September 1864.

I HAVE the honour to inclose, in duplicate, in compliance with your order, a detailed report of the performance of the Armstrong guns on board this ship.

The vent-pieces, three in number, injured, are all wrought iron, and all similarly cracked; these cracks being all below the circular slot that enters the base of the chamber, I think proves that, from the direction of the vent, the lower portion of the charge is not exploded instantaneously with the upper portion, thereby bringing the strain on the upper half face of the vent-piece; no vent-pieces were blown out of the gun.

The 40-pounder, No. 6 on the inclosed list, when fired, made a great explosion, lifting the deck from the beams for several feet of the surface above the vent; the gun was temporarily disabled; the vent-piece able to be moved, but not extracted; the upper edge was "burred" and had to be filed, as also the upper edge of the bore of the chamber; a very slight touch of the file cleared it, and the gun seems uninjured; it had, however, to be changed during the action for its opposite gun.

The range of the 40-pounders was very good indeed, as also of the 110-pounders, and their practice excellent, until the 110-pounder, marked No. 2, became, I fancy, leaded near the chamber, when at least the last eight shot seemed to strip, and with a loud whirring noise went anywhere; one shot struck the water at long range and turned at nearly a right angle, and all ricochets turned to the right with the Armstrong shot.

The Armstrong 110-pounder gun in Her Majesty's Ship "Leopard" on a rear chock carriage, with the exception of one, no breeching was carried away nor breeching bolts drawn. The 68-pounder on a slide started breeching bolts, and carried away one breeching, but the ship is old. The rear chock carriages are uninjured. No time fuzes were used with Armstrong shell, only pillar fuzes; three of these burst alongside, one close to the muzzle of the gun. Several of these shells were seen to burst, but I believe many did not. The pillar fuzes, as supplied to this ship, are, in my opinion, not to be trusted for covering landing parties, nor for firing near other ships. From the 110-pounder Armstrong, marked No. 1 on the list, two or three shot latterly stripped and "wobbled."

In all the practice during the commission of this ship no accident has happened to any Armstrong gun, although many shot have stripped and "wobbled" until during this action, a period of nearly two years. I attribute these accidents recorded to the heating of the guns and vent-pieces, the rifling becoming leaded, rendering all aim uncertain. The captains of the guns being chiefly seamen gunners, or gunners' mates, the same as throughout the commission, I do not think it can be put down to careless loading from excitement. In the face of this positive evidence, I must express my opinion that I do not think the 110-pounder Armstrong gun the gun for sea service, not only for the above-recorded faults, but for the immense amount of room required in the ship for the storage of a comparatively very few rounds per gun, nearly half the ammunition on board when completed for these guns being expended in two hours' firing, and that slow and careful firing.

The 68-pounder gun fired more rounds than any of the Armstrong 110-pounders, every shot and every shell telling beautifully. This gun made perfect practice; the breeching it carried away was old.

Vice-Admiral Sir A. L. Kuper, K.C.B.,
Commander-in-Chief.

I have, &c.
(signed) Charles Leckie.
Captain.

Her Majesty's Ship "Leopard," Straits of Simonosaki, 15 September 1864.

RETURN showing in detail the Number and Description of each Gun, Number of Times Fired, with Remarks as to the Efficiency of the Gun, and the Particulars of Accidents which happened during the recent Operation.

Description of Gun.	Number.	Rounds Fired.			Vent-pieces Damaged.		REMARKS, &c.
		Shot.	Shell, Common.	Shell, Segment.			
110-pounder, Armstrong	{ 273 } { R. G. F. }	19	- -	16	{ Taylor's W. I. - Do. do. -	Number. 239 20 }	Both these vent-pieces cracked entirely round the lower half circle of the disc that enters the chamber of the gun, and extended across one side of flat facing outside the disc on one side only.
110-pounder, Armstrong	{ 363 } { R. G. F. }	21	30	- -	Taylor's W. I. -	39	This vent-piece was similarly cracked to the above; eight shot stripped and "whirred," losing their direction; the gun seemed to have become loaded at the cast; one of these shot "wabbled," ricochet, and turned at right angles.
110-pounder, Armstrong	{ 257 } { R. G. F. }	30	8	7	- - - -	-	This gun did its work well.
40 - pounder, Armstrong	{ 275 } { E. O. C. }	43	2	- -	- - - -	-	This gun did its work well.
40 - pounder, Armstrong	{ 295 } { E. O. C. }	3	1	- -	- - - -	-	The 32-pounder not ranging, this gun was transported from port side.
40 - pounder, Armstrong	{ 260 } { E. O. C. }	10	- -	- -	{ One vent-piece expanded. 40-pounder, E. O. C. }	-	After the 10th round the explosion on firing took place, the vent-piece remaining in the gun; the deck near the gun was raised from two of the beams, nearly allowing the hand to be put in, and two people on deck above lifted from the deck. The upper edge of the vent-piece was "burred," preventing its being extracted; the gun was transported to the other side; dropping the vent-piece down, and filing the edge, and the edge of the chamber very slightly, the vent-piece was extracted.
40 - pounder, Armstrong	{ 472 } { E. O. C. }	8	- -	- -	- - - -	-	

The last gun did well.

(signed) Charles Leckie, Captain.

REPORTING the ACCIDENTS, &c., which occurred to the ARMSTRONG GUNS on board this Ship.

Her Majesty's Ship "Argus," Simonosaki,
19 September 1864.

Sir,

IN compliance with your memorandum of the 14th instant, I beg to forward you a report in duplicate, relative to the Armstrong guns on board this ship, the number of times they were fired, their efficiency, and the accidents or damage which happened to them during the late operations against the Japanese batteries.

Nature of the Gun.	Number.	Number of Times Fired.
110-pounder Armstrong - -	1	- - 9
12-pounder Armstrong - -	2	- - 28

Firstly, with reference to the 110-pounder.

On the third round after commencing the action, the gun being loaded with common shell, pillar fuze, and a 12 lb. charge, the vent-piece was split, and became so fixed in the slot, that for 45 minutes it defied all the efforts of levers, screwbacks, crowbars, and sledge hammers to extricate it, but eventually was freed by the mechanical ingenuity of Mr. Robert Hodge, engineer in charge.

A new vent-piece was then introduced, which, under the same circumstances of loading as before, split on the third round after being first used. A third vent-

piece was then tried, which also split on the second round, and having no further spare vent-pieces, the 110-pounder became useless.

My opinion regarding the 110-pounder Armstrong gun is, that no certain dependence can be placed upon it, and I should extremely regret being again dependent on such a gun in action. I also have to observe, that from the stripping of the lead, and the uncertainty of bursting of the pillar fuzes, I found it impossible to cover the landing of the marines and the naval brigade with the Armstrong gun.

The 12-pounder Armstrong guns had no accident or damage happen to them; they did their work efficiently, but could not be trusted to cover the landing of the marines and naval brigade, on account of the liability of the lead coating to strip.

Vice-Admiral Sir A. L. Kuper, K. C. B., (signed) *J. Moresby*,
&c. &c. &c. Commander.
Commander-in-Chief.

Forwarding REPORT of ARMSTRONG GUNS.

Her Majesty's Ship "Perseus," Yokohama,
22 September 1864.

Sir,
IN accordance with your memorandum of the 14th instant, I have the honour to forward a report of the Armstrong guns of this ship. I also enclose a report of the same made to me by Mr. Cockran, gunner of this ship, which is a most able account of their performances.

I have, &c.
(signed) *Augustus Kingston*,
Commander.
Vice-Admiral Sir A. L. Kuper, K. C. B.,
&c. &c. &c.
Commander-in-Chief.

Her Majesty's Ship "Perseus," at Yokohama, 22 September 1864.

REPORT upon the ARMSTRONG GUNS on Board Her Majesty's Ship "Perseus," in accordance with Commander-in-Chief's General Memorandum dated 14 September 1864.

Number.	Description.	Number of Times Fired.	Opinion as to the Efficiency of the Guns.	Particulars of any Accident or Damage which may have happened to them during the recent Operations in the Straits of Simonosaki.
30	E. O. C., 1860. Armstrong 40-pounder. 31 cwt. 10 feet - - - - }	33	I consider the 40-pounder Armstrong a most efficient gun, if handled by properly trained men, and with proper care; the five 40-pounders of this ship were used successively for three days, and no accident of any kind or any trouble occurred to them. The practice made by the guns was most accurate to the extent of 3,500 yards; the time fuzes were also very accurate up to their full range of 2,400 yards. I have the highest opinion of the gun.	No accident of any kind happened to the guns; two of them were hoisted out of the ship for the purpose of lightening her when on shore, without receiving any damage. Circumstances obliged these guns to remain loaded for a full week in wet and rainy weather, and on being discharged subsequently not one of them missed fire.
54	E. O. C., 1861. Armstrong 40-pounder. 32 cwt. 1 qr. 9 lbs. 10 feet - - - }	12		
63	E. O. C., 1861. Armstrong 40-pounder. 32 cwt. 2 qrs. 10 feet - - - - }	12		
201	E. O. C., 1861. Armstrong 40-pounder. 33 cwt. 3 qrs. 14 lbs. 10 feet - - }	16		
222	E. O. C., 1861. Armstrong 40-pounder. 33 cwt. 3 qrs. 12 lbs. 10 feet - - }	22		

(signed) *Augustus Kingston*, Commander.

Her Majesty's Ship "Perseus,"

22 September 1864.

Sir,

In the action at Simonosaki on the 5th, 6th and 7th instant, I have to report most favourably of the 40-pounder Armstrong guns on board this ship.

The practice itself was both rapid and accurate, and the guns worked admirably, not the slightest delay or accident having occurred to either vent-pieces or guns.

A bucket of fresh water was in readiness at each of the guns, in the event of the screws working stiff, to wash the ends of breech-screws, by pouring a little water down the slot, or by taking them out altogether; it was only made use of in one instance, and that was at the pivot gun, where the screw was found to work a little stiff after firing about a dozen rounds; a little water was then applied down the slot to the end of screw, after which a little oil; the screw then worked as easily as at the commencement of the firing.

Ninety-five rounds were fired altogether from the five guns, 80 rounds with shells and 15 with shot. The time fuzes were very good as far as they ranged, leaving nothing to be desired beyond a little longer fuze, so as to insure the shells bursting at the greatest range it is possible to fire them on board ship.

When firing at long ranges, 2,500 yards and upwards, with time fuzes, the shells burst short, the fuzes used being marked from 5° 50' to 6° 10'; within those ranges the fuzes acted admirably.

The pillar percussion was used at long ranges, and was found very effective; a few did not burst on striking, but the majority did.

The escape of gas was not perceivable, and match-tubes were very little used, not a single miss-fire having resulted in their not being used, and no difficulty was experienced in loading, the projectile and charge going home quite easily.

During the whole of the firing, which continued at intervals for three days, from the Armstrong guns, neither of the guns was sponged or breech-screws removed or cleaned in any way, with the single exception of the pivot gun, and that was done more as an experiment than from any actual necessity at the time for doing it.

The captains of the guns have been questioned about the guns, and they speak very favourably of them, and have the greatest confidence in them.

The foregoing remarks are the result of my own observations, having fired and attended at the guns during the greater part of the firing. My own conclusions are, that the guns are a decided success every way, and with a moderate amount of care are perfectly safe on board ship, and are fully equal to anything required of them.

Captain A. J. Kingston,
Her Majesty's Ship "Perseus."

I remain, &c.
(signed) Chas. Cockran,
Gunner.

REPORT ON 110-POUNDER ARMSTRONG GUNS.

Her Majesty's Ship "Coquette," Straits of Simonosaki,

14 September 1864.

Sir,

WITH reference to your memorandum of this day's date, requesting a report to be made on the Armstrong guns during the late operations at Simonosaki, I have the honour to acquaint you that about 67 rounds of shot and shell were fired from that piece of ordnance, 110-pounder Armstrong Guns, 1 in. No., No. 177, R. G. F.

After the first day's firing, during which period 40 rounds were fired, the vent-piece was discovered to be split on the lower part of the back surface, immediately below the ring, a crack running horizontally across. The lower part of the breech-screw was burred.

The breech-ring split and also burred, so as to prevent any projectile from being rammed home.

The burrs were filed down and a new vent-piece substituted the second day, which, after about six rounds, split in the same place. A third vent-piece was substituted, and the remaining 21 rounds were fired during the day without any further accident, with the exception of having twice to file down the burrs and the damaged breech-ring. The vent pieces, which are of wrought iron, are marked No. 154 R. G. F., and 440 R. G. F., and I attribute the splitting of the vent-pieces and breech-ring to bad metal.

I have to observe that the gun was re-ringed at Yokohama in June last, and that no practice had taken place since that event.

The practice from the gun was very good, and the different projectiles bursting, with one or two exceptions, where required.

The rifling of the gun has sustained no injury.

Vice-Admiral Sir A. L. Kuper, K. C. B.,
Commander-in-Chief.

I have, &c.
(signed) *Arthur G. R. Roe,*
Commander.

ARMSTRONG GUNS.

COPY of the REPORT of Admiral Kuper in
reference to the ARMSTRONG GUNS in the
Action of *Simonosaki*.

(*Mr. H. Baillie.*)

*Ordered, by The House of Commons, to be Printed,
10 May 1865.*

ARMSTRONG GUNS.

RETURN to an Address of the Honourable The House of Commons,
dated 16 February 1865;—for,

“ RETURNS of EXPENSES incurred on all Classes of ARMSTRONG GUNS, their Fittings, Projectiles, &c., including the 100-Pounder Smooth-bores, since the Date of the Return furnished to Mr. *Monsell's* Committee; showing Details of all Alterations and Changes, and the present Cost of Breech-loading and other Armstrong Guns :”

“ And, of the Number and Nature of ARMSTRONG GUNS Exchanged from the several SHIPS of the CHANNEL SQUADRON at *Plymouth* in May 1864; showing the Details of Defects in the Guns Returned, the Repairs Made or Making on them, the Cost of those Repairs, and the present Serviceable or Unserviceable State of each Gun; also all present Defects in the Guns Exchanged at that time into the ‘ Warrior.’ ”

War Office, }
16 May 1865. }

HARTINGTON.

(*Mr. Henry Baillie.*)

Ordered, by The House of Commons, to be Printed,
22 May 1865.

RETURN showing the EXPENSES incurred on all Classes of ARMSTRONG GUNS, their Fittings, Projectiles, &c., including the 100-Pounder Smooth-bore Guns, since the Date of the Return furnished to Mr. *Monsell's* Committee in May 1863.

	£.	s.	d.
Amount paid to Elswick Ordnance Company from 7 May 1863 to 27 February 1865 - - - - -	78,007	10	10
Amount expended in Royal Carriage Department to period ending 31 March 1864	18,309	4	-
Ditto - ditto - Royal Laboratory - - - - -	62,089	5	3
Ditto - ditto - Royal Laboratory, in alterations and changes - - -	5,032	4	2
Ditto - ditto - Royal Gun Factories { Guns and fittings - - - - -	95,974	4	9
Experiments - - - - -	10,478	9	4
Alterations and changes - - -	15,527	2	4
TOTAL - - - £.	285,418	-	8

N.B.—This Return is made up to the date of the last balance sheet (31 March 1864); the expenses incurred during the present year cannot be accurately shown until the next balance sheet, up to 31 March 1865, is ready. This may be expected to be completed in July.

RETURN showing Details of all Alterations and Changes in ARMSTRONG GUNS since the Date of the Return furnished to Mr. *Monsell's* Committee in May 1863.

	£.	s.	d.
Guns, 110-pounder, heavy and light, fitted with indicator-rings (300) - -	312	1	11½
Drawings fully detailing and showing indicator-rings, 110-pounder, heavy and light - - - - -	-	10	4½
Guns, 110-pounder (two) (E. O. C.), breech-screws, pinned instead of pins, keep, and made conformable to sealed pattern - - - - -	3	18	8
Vent-pieces, 110-pounder (E. O. C.) (49), to have cross-heads taken off, and made conformable to sealed pattern - - - - -	6	18	6½
Guns, 40-pounder (O. P.), breech-screws, pinned instead of pins, keep, and made conformable to sealed pattern (one) - - - - -	1	2	3½
Guns, 40-pounder, guide-plates adjusted and made conformable to sealed pattern	5	9	2½
Guns, 40-pounder, No. 24, slot deepened to take the N. P. vent-piece, and issued complete with newest pattern sights - - - - -	21	9	6½
Sights, breech tangent (N. P.), 40-pounder - - - - - 207	49	5	5
Ditto - ditto - (O. P.), 40-pounder - - - - - 33			
Ditto - ditto - „ 20-pounder - - - - - 48			
Ditto - ditto - „ 9-pounder - - - - - 69			
Ditto - ditto - „ 6-pounder - - - - - 20			
Ditto - ditto - „ 110-pounder - - - - - 145			
Altered and made conformable to sealed pattern.			
Guns, 20 pounder, heavy and light, ratchet sights abolished, breech tangent and trunnion sights made conformable to sealed pattern, guns sighted complete -	164	-	3½
Gun, 20-pounder of medium weight, one breech tangent and trunnion sight altered for sealing as pattern - - - - -	23	8	11
Gun, 12-pounder (L. S.), altered and fitted with new sights, &c., for sealing as pattern - - - - -	145	18	-½
Guns, 12-pounder (50), rounding corners of guns, levers and tappets, broaching pin-holes in levers, screwing in elevating eyes, &c. - - - - -	18	3	-
Guns, 12-pounder (50), powder-chambers enlarged, rifle grooves filed to suit enlarged chambers - - - - -	6	18	5½

RETURN showing Details of all Alterations and Changes in Armstrong Guns, &c.—*continued.*

	£.	s.	d.
Guns, 12-pounder (50), removing drip pans and plugging up holes - - -	4	2	8
Gun, 12-pounder, strap-leather to cover $1\frac{1}{2}$ turns of screw (to prevent dust working in), for sealing as a pattern - - - - -	-	8	$6\frac{1}{2}$
Guns, 12-pounder, alteration of vent-pieces from land service to sea service by drilling and tapping holes for crutch - - - - -	5	8	$6\frac{1}{2}$
Guns, 12-pounder, drawings of guns and sights to guide the manufacture, for sealing as patterns - - - - -	-	8	$4\frac{3}{4}$
Guns, 110-pounder, 20, 12, 9, and 6-pounder, sealed pattern grip at muzzle removed, and breech-screw tempered in oil to govern future supplies - -	30	14	$7\frac{1}{4}$
Bit, vent, for cleaning vent-pieces of Armstrong guns, made and fitted with wooden handles similar to naval lanyard gun lock toggles, so that it can be used gimlet fashion, for sealing as a pattern - - - - -	-	-	10 $\frac{1}{4}$
Model, wood, showing proposed alteration to the present system of rifling -	2	14	$9\frac{1}{2}$
Guns, 12-pounder (260), shortening, fitting with new tubes where necessary, new coil in front of trunnion, new pattern breech-screws, vent-pieces, breech tangent and trunnion sights, in various stages of completion - - -	14,723	19	$3\frac{1}{2}$
	£.	15,527	2 4

RETURN of the Amount expended in the ROYAL LABORATORY, WOOLWICH, on PROJECTILES, AMMUNITION, &c., for ARMSTRONG GUNS, in the Year ending 31st March 1864, in consequence of Alterations, Changes, &c.

S E R V I C E.	Amount.
	£. s. d.
Fitting time fuzes with leather washers - - - - -	47 18 4
Converting filled iron bursters from 12-pounder to 9-pounder - - - -	29 1 11
Repairing time fuzes, E. O. Company's manufacture - - - - -	76 12 5
Releading 40-pounder common shells - - - - -	2,852 14 10
Ditto 12-pounder segment shells - - - - -	520 6 11
Ditto 110-pounder common shells - - - - -	874 13 -
Securing and packing percussion fuzes - - - - -	65 7 7
Fitting percussion fuzes with pins - - - - -	478 8 2
Breaking up 110-pounder common shells - - - - -	87 1 -
TOTAL - - - - £.	5,032 4 2

RETURN showing the present Cost of Breech-loading and other ARMSTRONG GUNS, made in the ROYAL GUN FACTORIES, WOOLWICH, after final Proof, without Sights and Fittings, in the same state as those delivered by Contractors; Interest on Capital and Depreciation of Plant not included.

							£.	s.	d.
6-pounder	{	Land service	-	-	-	-	56	2	1
		Sea service	-	-	-	-	56	6	8
9-pounder	{	Land service	-	-	-	-	57	4	5
		Sea service	-	-	-	-	57	9	-
12-pounder	{	Land service	-	-	-	-	62	13	3
		Sea service	-	-	-	-	62	17	10
20-pounder	{	Land service	-	-	-	-	89	10	3
		Sea service	-	-	-	-	89	14	9
40-pounder	{	Land service	-	-	-	-	180	3	4
		Sea service	-	-	-	-	180	7	1
7-inch	{	Land service	-	-	-	-	363	19	1
		Sea service	-	-	-	-	364	17	8
9-inch 12½ ton guns	-	-	-	-	-	-	1,200	-	-
8-inch 9 ton guns	-	-	-	-	-	-	1,000	-	-
7-inch 130 cwt. guns	-	-	-	-	-	-	725	-	-
13-inch 23 ton guns	-	-	-	-	-	-	3,500	-	-
7-inch 140 cwt. guns	-	-	-	-	-	-	725	-	-
100-pounder 6½ ton guns	-	-	-	-	-	-	621	-	-
150-pounder 10½ 12 ton guns	-	-	-	-	-	-	1,200	-	-

Armstrong guns on an average of three years

Armstrong construction; estimated cost, none having yet been rifled

RETURN showing the Number and Nature of ARMSTRONG GUNS Exchanged from the several SHIPS of the CHANNEL SQUADRON at *Plymouth* in May 1864; showing the Details of Defects in the Guns Returned.

RETURNED FROM	NATURE.	No.	REPAIRS TO BE EFFECTED.
H. M. S. "Warrior" -	7-inch - -	8	Double bouching, corners rounded, and re-sighting.
Ditto - - -	7-inch - -	1	New 1 A tube, corners rounded, and re-sighting.
Ditto - - -	12-pounder -	1	Powder chamber to be enlarged, and thread in breech to be altered.
H. M. S. "Edgar" -	7-inch - -	1	New 1 A tube, corners rounded, and re-sighting. This gun repairable for flaws in powder and shot chambers.
H. M. S. "Defence" -	7-inch - -	1	New 1 A tube, and re-sighting.
H. M. S. "Prince Consort."	7-inch - -	2	New A tubes, corners rounded, and re-sighting. These guns were repairable for flaws in powder and shot chambers.
H. M. S. "Black Prince"	7-inch - -	1*	New A tube, corners rounded, and re-sighting.
Ditto - - -	7-inch - -	1†	New A tube, and re-sighting.

* Repairable for flaws at 6½ inches in powder chamber.

† Repairable for flaws in powder and shot chambers.

RETURN showing the REPAIRS made or making on GUNS Returned from the CHANNEL SQUADRON in May 1864; showing also the COST of those REPAIRS, and the present Serviceable or Unserviceable state of each Gun.

NATURE.	Number of the Gun.			Present Serviceable or Unserviceable State of each Gun.		
			£. s. d.			
7-inch, E.O. Cmpy.	102	Fitted with iron breech-ring, slotting and finishing vent hole, cutting off arms of saddle, drilling and plugging sight holes, cutting axis lines, rounding corners, lapping bore, and removing grip; fitting set screws, saddle screws, re-sighting complete with new pattern sights, &c.	27 6 10	Serviceable.		
	113	Ditto - ditto - - -	27 6 10			
	95	Ditto - ditto - - -	27 6 10			
	116	Ditto - ditto - - -	27 6 10			
	119	Ditto - ditto - - -	27 6 10			
	94	Ditto - ditto - - -	27 6 10			
	90	Ditto - ditto - - -	27 6 10			
	87	Ditto - ditto - - -	27 6 10			
	7	In Royal Gun Factories; requires new 1 A tube; not yet done.	Not known -	Repairable.		
	40	Not returned to Royal Gun Factory for repair; not yet done.	- ditto -	- ditto.		
E. O. Company, 12-pounder.	83	Shortened; fitted with C coil, new breech screw; two steel vent pieces, new sights, re-sighted, and made conformable to sealed pattern.	40 8 10 $\frac{1}{4}$	Serviceable.		
	34	In Royal Gun Factory; require new 1 A tube - - -	Not yet repaired; cost not known.	Repairable.		
	648					
	8					
Royal Gun Factory, 7-inch - -	170	Not returned to Royal Gun Factory for repair - - -				
	178					
	333	In Department; requires new 1 A tube - - -				

RETURN showing the present DEFECTS in the GUNS Exchanged into Her Majesty's Ship "WARRIOR" in May 1864.

NATURE.	No.	MAKER.	NATURE OF REPAIR REQUIRED.
7-inch - -	38	E. O. Company	Re-sighting; vent slot to be altered to present sealed pattern, and corners rounded.
" - -	93	Ditto - -	
" - -	103	Ditto - -	
" - -	237	Royal Gun Factory	Re-sighting; vent slot to be altered to present sealed pattern, and corners rounded.
" - -	243	Ditto - -	
" - -	188	E. O. Company	Re-sighting; vent slot to be altered to present sealed pattern, and new breech bouch, iron, thin
" - -	272	Royal Gun Factory	Re-sighting; vent slot to be altered to present sealed pattern, corners to be rounded, and new breech bouch, iron, thin.
" - -	382	Ditto - -	Re-sighting; and vent slot to be altered to present sealed pattern.
" - -	394	Ditto - -	
" - -	408	Ditto - -	
12-pounder -	233	Ditto - -	

J. St. George, Major General,
Director of Ordnance.

ARMSTRONG GUNS.

RETURNS of EXPENSES incurred on all Classes of ARMSTRONG GUNS, their Fittings, Projectiles, &c., including 100-Pounder Smooth-bores, since the Date of the Return furnished to Mr. *Monsell's* Committee; showing Details of all Alterations and Changes, and the present Cost of Breech-loading and other Armstrong Guns; and, of the Number and Nature of Armstrong Guns Exchanged from the several SHIPS of the CHANNEL SQUADRON at *Plymouth* in May 1864; &c.

(*Mr. Henry Baillie.*)

Ordered, by The House of Commons, to be Printed,
22 May 1865.

BARRACKS (IRELAND).

RETURN to an Address of the Honourable The House of Commons,
dated 30 March 1865 ;—for,

A “RETURN of all the BARRACKS proposed to be SOLD by the WAR DEPARTMENT in *Ireland*.”

War Office, }
6 April 1865. }

HARTINGTON.

RETURN of all the BARRACKS proposed to be SOLD by the WAR DEPARTMENT
in *Ireland*.

Tullamore.

Mill Street (County Cork).

Ballinrobe (Cavalry Barrack).

Ballagadereen.

Ballinamult.

Mitchelstown.

Oughterard.

Dunmore.

Gort.

Castlecomer.

Roscommon.

Granard.

Trim.

Ballyshannon.

New Ross.

Dungarvan.

Arklow.

Clonakilty.

BARRACKS (IRELAND).

RETURN of all the Barracks proposed to be
Sold by the WAR DEPARTMENT in *Ireland*.

(*Colonel Greville.*)

Ordered, by The House of Commons, to be Printed,
1 May 1865.

CANADA (TRANSPORT OF TROOPS, &c.)

RETURN to an Address of the Honourable The House of Commons,
dated 6 April 1865;—for,

“RETURNS of the SUMS Paid out of the IMPERIAL TREASURY during the Years 1862, 1863, and 1864, for the TRANSPORT of TROOPS to *Canada*; the Expense of Maintaining them while there; for Arms and Military Stores of all kinds; whether for the Use of the Regular Troops or of the Canadian Militia and Volunteers; or for any other Object connected with the Defence of *Canada* :”

“And, of all SUMS Expended by the COLONIAL GOVERNMENT during the Years 1862, 1863, and 1864, for the Pay or Clothing of VOLUNTEERS; for providing Arms and Stores; or for any other Object connected with the Defence of *Canada*.”

War Office, }
3d July 1865. }

HARTINGTON.

(*Mr. Sinclair Aytoun.*)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

RETURNS of the SUMS Paid out of the IMPERIAL TREASURY during the Years 1862, 1863, and 1864, for the TRANSPORT of TROOPS to *Canada*; the Expense of Maintaining them while there; for Arms and Military Stores of all kinds; whether for the Use of the Regular Troops or of the Canadian Militia and Volunteers; or for any other Object connected with the Defence of *Canada*:—And, of all Sums Expended by the COLONIAL GOVERNMENT during the Years 1862, 1863, and 1864, for the Pay or Clothing of VOLUNTEERS; for providing Arms and Stores; or for any other Object connected with the Defence of *Canada*.

RETURN of the SUMS Paid out of the IMPERIAL TREASURY during the Years 1862, 1863, and 1864, for the TRANSPORT of TROOPS to *Canada*; the Expense of Maintaining them while there; for Arms and Military Stores of all kinds, whether for the Use of the Regular Troops or of the Canadian Militia and Volunteers, or for any other Object connected with the Defence of *Canada*.

			£.	s.	d.
For Transport of Troops, &c. during 1861-2, 1862-3, and 1863-4 - - -			276,368	4	3
			£.	s.	d.
For Maintenance of Troops, &c. during* - - -	1861-2	392,753	9	9	
	1862-3	683,869	4	8	
	1863-4	586,353	8	-	
			1,662,976	2	5
For Clothing for Troops, &c. during - - -	1862 -	76,557	10	8	
	1863 -	36,598	1	4	
	1864 -	32,170	17	4	
			145,326	9	4
For Arms and Military Stores supplied - - -	From 1st to 31st December 1861	†165,775	-	3	
	„ 1st January to 31st May 1862 - - -	26,744	16	11	
	„ June 1862 to March 1863	363,285	6	3	
	„ 1st April 1863 to 31st March 1864 - - -	80,906	17	3	
	„ 1st April to 31st December 1864 - - -	38,859	11	4	
			675,571	12	-
			£.	2,760,242	8 -

* The expenditure for 1864-5 cannot be furnished, as the accounts have not been received.

† This sum has been inserted in order to embrace the expenditure for stores supplied in consequence of the “Trent” affair.

RETURN showing the EXPENDITURE by the PROVINCE of *Canada*, for the MILITIA and VOLUNTEER FORCES, in the Years 1862, 1863, and 1864, as called for, by Letter No. 60, of the Right Honourable the Secretary of State for the Colonies, dated, Downing-street, 12th April 1865.

SERVICE.	In 1862.	In 1863.	In 1864.	TOTAL.
	\$.	\$.	\$.	\$.
Paid to Volunteers for Drill - -	22,840	6,353	7,283	
Purchase of Clothing for Volunteers - -	- -	215,226	—	
Allowance in lieu of Clothing to Self-uniformed Corps - - - - }	11,120	33,931	33,596	
Drill Instruction, Pay and Contingencies of Brigade Majors - - - - }	13,542	69,436	52,713	
Inspection of Volunteers and Militia -	5,957	3,200	2,753	
Pay of Storekeepers, Cost of Maintaining Public Armories, Drill Sheds, &c. }	5,419	5,285	18,775	
Staff at Head Quarters, Care and Transport of Arms and Stores, Contingencies of the Volunteer Force, and all other Incidental Expenses - - - }	31,182	40,184	32,749	
Paid to War Department for Military Stores and Ammunition - - - }	1,092	97,333	115,191	
Pay and Contingencies of Military Schools - - - - }	- -	- -	48,930	
TOTALS - - \$.	91,152	470,948	311,990	874,090

Certified,

(signed) *Robert Berry*, C. C. Acct.

(signed) *A. de Salaberry*, Lt. Col.,
D. A. Genl. Militia, Lower Canada.

W. Powell, Lt. Col.,
D. A. Genl. Militia, Upper Canada.

Militia Department, Quebec, }
5 May 1865.

OBSERVATIONS.

1. The pay for drill of the volunteers for the year ending 30th June 1865 began in December last: 200 companies, at an average of 500 dollars per company, have been paid to this date, say, 100,000 dollars; and 100 additional companies have still to be paid for drill for the same year, say, 50,000 dollars. Total 150,000 dollars.

2. The pay and allowances of the frontier force, at an average outlay of 80,000 dollars a month, commenced about 24th December last, but no payments were made for it till January, consequently no charge is made for that service in the year 1864.

3. The arms of the volunteer force (with the exception of 3,200 stand complete, purchased by the province in 1856) are loaned by the Imperial authorities, no expenditure, therefore, has been made for arms. The province, has, however, paid for all the accoutrements and military stores generally.

4. There are six schools of military instruction now in operation, instead of two as in 1864.

(signed) *A. de Salaberry*, Lt. Col.,
D. A. G. M., L. C.

W. Powell, Lt. Col.,
D. A. G. M., U. C.

CANADA (TRANSPORT OF TROOPS, &c.)

RETURNS of the Sums Paid out of the IMPERIAL TREASURY during the Years 1862, 1863, and 1864, for the TRANSPORT of TROOPS to *Canada*; the Expense of Maintaining them while there, &c.; and, of all Sums Expended by the Colonial Government during the Years 1862, 1863, and 1864, for the Pay or Clothing of VOLUNTEERS; for providing Arms and Stores; or for any other Object connected with the Defence of *Canada*.

(*Mr. Sinclair Aytoun.*)

*Ordered, by The House of Commons, to be Printed,
4 July 1865.*

ARMY CHAPLAINS, &c.

RETURN to an Address of the Honourable The House of Commons,
dated 17 March 1865;—for,

“ DETAILED ACCOUNTS of the VOTE, No 5, of ARMY ESTIMATES, of
£. 44,335, distinguishing the Religious Denominations of the respective
CHAPLAINS, &c. : ”

“ And, of the SUM of £. 1,401, VOTE 6, for CHAPLAINS and OFFICIATING
CHAPLAINS (in continuation of Parliamentary Paper, No. 240, of
Session 1864). ”

War Office, }
3 April 1865. }

HARTINGTON.

(*Mr. Whalley.*)

Ordered, by The House of Commons, to be Printed,
5 April 1865.

— No. 1. —

DETAIL of the Sum of £. 21,417, PAY of COMMISSIONED CHAPLAINS to the Forces,
1865-66; distinguishing Protestants and Roman Catholics.

PROTESTANTS:							£.
1st Class	-	-	-	£.			
				2 at 411	-	-	822
				1 at 365	-	-	365
2d Class	-	-	-	1 at 392	-	-	392
				1 at 359	-	-	359
				1 at 350	-	-	350
				7 at 319	-	-	2,233
Under Warrant of 1848	-			4 at 292	-	-	1,168
3d Class	-	-	-	1 at 306	-	-	306
				2 at 300	-	-	600
				3 at 292	-	-	876
				5 at 274	-	-	1,370
4th Class	-	-	-	1 at 300	-	-	300
				3 at 270	-	-	810
				1 at 265	-	-	265
				1 at 261	-	-	261
				3 at 250	-	-	750
				1 at 244	-	-	244
				1 at 242	-	-	242
				8 at 228	-	-	1,824
			21 at 183	-	-	3,843	
							£. 17,380
ROMAN CATHOLICS:							
2d Class	-	-	-	1 at 319	-	-	319
3d Class	-	-	-	1 at 273	-	-	273
4th Class	-	-	-	1 at 250	-	-	250
				10 at 228	-	-	2,280
				5 at 183	-	-	915
							£. 4,037
							£.
PROTESTANTS	-	-	-	-	-	-	17,380
ROMAN CATHOLICS	-	-	-	-	-	-	4,037
							£. 21,417.

— No. 2. —

DETAIL of the SUM of £. 3,334, being the Amount Estimated under the head of
DIVINE SERVICE, for Chapel Clerks, &c., Servants, and Contingencies, in 1865-66.

						£.
Chapel Clerks, &c., at Home	-	-	-	-	-	448
Ditto	-	-	-	-	-	188
Contingencies, including Servants' Allowance, Travelling Expenses, &c.	-	-	-	-	-	2,698
TOTAL	-	-	-	-	£.	3,334

— No. 3. —

DETAIL of the SUM of £. 19,143 for ALLOWANCES to the OFFICIATING CLERGYMEN to the Troops at Home and in the Colonies; and Detail of the SUM of £. 441 for Rent of Buildings for DIVINE SERVICE, and Payments for Accommodation in Parochial and other Churches.

STATIONS.	Protestants.	Roman Catholics.	STATIONS.	Protestants.	Roman Catholics.
	£.	£.		£.	£.
GREAT BRITAIN:			GREAT BRITAIN—continued.		
Aberdeen - - -	150	15	Ipswich - - -	55	25
Alderney - - -	115	55	Jersey - - -	200	150
Ashton-under-Lyne - - -	20	15	Kensington - - -	30	—
Ayr - - -	50	45	Kingston - - -	5	—
Alnwick - - -	5	5	Knarborough - - -	10	10
Aldershot - - -	200	—	London - - -	242*	—
Barnet - - -	3	3	Landguard Fort - - -	60	25
Bath - - -	5	—	Leith - - -	100	20
Barnard Castle - - -	10	10	Leeds - - -	40	—
Brighton - - -	125	60	Liverpool - - -	60	10
Burnley - - -	15	15	Lichfield - - -	—	3
Bury - - -	25	15	Leamington - - -	3	3
Birmingham - - -	60	40	Lincoln - - -	—	3
Bedford - - -	5	—	Lewes - - -	10	—
Bala - - -	10	—	Lanark - - -	5	3
Beverley - - -	10	—	Maidstone - - -	70	25
Brecon - - -	5	3	Monmouth - - -	3	—
Berwick - - -	5	—	Manchester - - -	25	85
Bury St. Edmunds - - -	3	—	Mold - - -	10	—
Coventry - - -	25	25	Macclesfield - - -	10	5
Canterbury - - -	80	90	Newcastle-on-Tyne - - -	40	20
Colchester - - -	—	90	Norwich - - -	60	25
Castletown - - -	15	15	Newcastle-under-Lyne - - -	3	—
Croydon - - -	70	—	Newark - - -	10	—
Chichester - - -	25	15	Netley - - -	50	242*
Chester - - -	50	25	Northampton - - -	40	10
Cirencester - - -	5	—	Preston - - -	100	15
Chatham - - -	50	80	Portland - - -	35	—
Chelsea - - -	—	20	Perth - - -	80	15
Dover - - -	70	130	Pembroke - - -	40	100
Durham - - -	—	3	Penally - - -	20	—
Dumfries - - -	5	5	Pontefract - - -	3	—
Derby - - -	10	3	Portsmouth - - -	140	—
Dalkeith - - -	10	—	Parkhurst - - -	45	100
Dorchester - - -	60	—	Purfleet - - -	40	—
Doncaster - - -	—	10	Paisley - - -	20	30
Devonport - - -	160	30	Sheffield - - -	—	80
Dalston - - -	10	242*	Stirling - - -	130	30
Edinburgh - - -	350	55	Sunderland - - -	25	15
Eastbourne - - -	30	—	Shrewsbury - - -	3	—
Exeter - - -	10	5	Shoeburyness - - -	—	70
Freshwater - - -	50	30	Sheerness - - -	—	100
Fleetwood - - -	120	50	Stafford - - -	3	3
Fort George - - -	30	10	Scarborough - - -	20	3
Fort Augustus - - -	10	—	Sandown (Isle of Wight) - - -	40	—
Glasgow - - -	90	110	St. James's - - -	—	15
Gravesend - - -	30	20	Shorncliff - - -	100	50
Guernsey - - -	100	45	Tynemouth - - -	40	15
Guildford - - -	10	—	Turnham Green - - -	10	3
Gosport - - -	160	100	Tilbury Fort - - -	60	50
Greenlaw - - -	25	25	Tower - - -	—	50
Gloucester - - -	15	—	Winchester - - -	30	65
Hounslow - - -	—	50	Windsor - - -	120	35
Hythe - - -	70	50	Walmer - - -	20	40
Hamilton - - -	100	25	Warwick - - -	5	—
Hertford - - -	10	—	Worcester - - -	25	—
Hereford - - -	10	—	Whitehaven - - -	15	5
Hurst Castle - - -	25	—	Weymouth - - -	60	40
Huntingdon - - -	3	—	Warrington - - -	—	5
Hartlepool - - -	5	—	Warley - - -	25	50
Hulifax - - -	3	—	Weedon - - -	70	50
			York - - -	—	30
			Yarmouth - - -	5	5

* Pay and Allowances of Acting Chaplain to the Forces.

STATIONS.	Protestants.	Roman Catholics.	STATIONS.	Protestants.	Roman Catholics.
	£.	£.		£.	£.
IRELAND:			IRELAND—continued.		
Armagh - - -	15	15	Monaghan - - -	10	10
Athlone - - -	160	120	Mallow - - -	-	5
Belfast - - -	210	50	Naas - - -	-	10
Ballincollig - - -	90	40	Newry - - -	70	70
Birr - - -	80	100	Newbridge - - -	-	70
Buttevant - - -	95	80	Navan - - -	3	5
Bandon - - -	5	—	Newtonards - - -	10	3
Belturbet - - -	15	—	Omagh - - -	10	10
Boyle - - -	-	10	Queenstown - - -	-	20
Camden Fort - - -	45	—	Spike Island - - -	90	40
Cahir - - -	100	50	Sligo - - -	-	10
Cavan - - -	5	10	Templemore - - -	50	120
Carlow - - -	5	10	Waterford - - -	30	30
Castlebar - - -	-	5	Westport - - -	10	10
Carlisle Fort - - -	50	20	Youghal - - -	10	15
Carrickfergus - - -	10	5			
Clogheen - - -	5	5	COLONIES:		
Clonmel - - -	70	25	Australia - - -	50	75
Charlemont - - -	5	5	Bahamas - - -	150	—
Charles Fort - - -	40	—	Bermuda - - -	241	—
Cork - - -	60	115	Canada - - -	423	449
Clare Castle - - -	-	10	Cape - - -	1,066	200
Donegal - - -	-	10	Ceylon - - -	50	—
Dublin - - -	50	500	China - - -	50	100
Duncannon Fort - - -	50	25	Gambia - - -	50	—
Dundalk - - -	110	70	Gibraltar - - -	120	—
Enniskillen - - -	80	50	Gold Coast - - -	100	—
Fermoy - - -	170	—	Honduras - - -	128	—
Fethard - - -	15	—	Malta - - -	90	165
Galway - - -	-	10	Natal - - -	210	35
Kilkenny - - -	50	35	Newfoundland - - -	90	50
Kinsale - - -	5	55	New Zealand - - -	850	750
Limerick - - -	35	95	Nova Scotia - - -	293	60
Londonderry - - -	20	20	Sierra Leone - - -	30	—
Longford - - -	50	25	St. Helena - - -	100	—
Lifford - - -	5	10	Tasmania - - -	40	—
Letterkenny - - -	5	5	Windward and Leeward Islands.	278	225
Mullingar - - -	15	25			
Maryborough - - -	-	5			

SUMMARY.

	Protestants.	Roman Catholics.
	£.	£.
GREAT BRITAIN - - -	5,192	3,372
IRELAND - - -	2,018	2,043
COLONIES - - -	4,409	2,109
TOTAL - - - £.	11,619	7,524
£. 19,143		

RENT of BUILDINGS for DIVINE SERVICE, and Payments for Accommodation in }
 Parochial and other Churches - - - - - } £. 441

— No. 4. —

DETAIL of the SUM of £. 1,401, included in Vote 6, for CHAPLAINS and OFFICIATING
CHAPLAINS of the Establishment of MILITARY PRISONS.

S T A T I O N S.	Protestants.	Roman Catholics.
	£.	£.
Aldershot - - - - -	200	—
Cork - - - - -	100	35
Dublin - - - - -	- -	50
Fort Clarence - - - - -	200	—
Gosport - - - - -	200	—
Greenlaw - - - - -	150	25
Southwark - - - - -	- -	35
Weedon - - - - -	200	40
Barbadoes - - - - -	20	—
Canada - - - - -	73	—
Halifax - - - - -	73	—
TOTAL - - - - £.	1,216	185

£. 1,401.

William Brown,
Accountant General, War Office.

ARMY CHAPLAINS, &c.

DETAILED ACCOUNTS of the Vote, No. 5, of
ARMY ESTIMATES, of £.44,385, distinguishing the
Religious Denominations of the respective Chap-
lains, &c.; and, of the Sum of £.1,401, Vote 6,
for CHAPLAINS and OFFICIATING CHAPLAINS (in con-
tinuation of Parliamentary Paper No. 240, of
Session 1864).

(*Mr. Whalley.*)

*Ordered, by The House of Commons, to be Printed,
5 April 1865.*

399

CURRAGH OF KILDARE.

RETURN to an Address of the Honourable The House of Commons,
dated 12 May 1865;—for,

COPY “or EXTRACTS of any CORRESPONDENCE that has taken place with
reference to the granting of a LEASE of the CURRAGH of KILDARE by the
CROWN to the WAR DEPARTMENT.”

War Office, }
22 May 1865. }

HARTINGTON.

CORRESPONDENCE relative to the grant of a LEASE of the CURRAGH of KILDARE
to the WAR DEPARTMENT.

(Curragh 8-371.)

Major General Sir *Edward Lugard* to the Hon. *J. K. Howard*.

Sir,

War Office, 22 February 1864.

WITH reference to your letter of 13th October last, and previous correspondence on the subject of the occupation of the Curragh, I am directed by Earl de Grey and Ripon to state that, after a full consideration of the subject, his Lordship has come to the conclusion that the best course to pursue will be for the War Department to take a lease of the Curragh for a period of 7, 14, or 21 years, under the title of the Office of Woods, as it at present exists, and to pay as rent a sum of 530 £. per annum, which will suffice to defray the amount paid to the Ranger by the Office of Woods (viz., 350 £. per annum), and also cover the amount of income derived by that Department from the sources detailed in the statement annexed to this letter.

Under this arrangement Lord de Grey would propose that the whole management and care-taking of the property should be undertaken and paid for by this Department.

Lord de Grey would recommend that the lease should commence on 1st April 1864, and from that date he would propose to discontinue the extra payment at present made by this office to the Ranger of the Curragh.

I am also to observe that Lord de Grey assumes that, should the office of Ranger become vacant during the term of the lease, the Office of Woods would not fill up the appointment, and would relieve the War Department from the payment of the amount which is included, on account of the Ranger's salary, in the sum proposed to be paid as rent.

The Honourable J. K. Howard,
Office of Woods, &c.

I am, &c.,
(signed) *Edward Lugard*.

CORRESPONDENCE RELATIVE TO

CURRAGH OF KILDARE.

Rents, &c., paid by the Secretary of State for War.

	£.	s.	d.	£.	s.	d.
By agreement dated 13th January 1859, for use of a part of the Curragh for the purposes of a camp - - - - -	5	-	-			
For privilege of taking gravel, from 1st January 1860 - - - - -	150	-	-	155	-	-
Rents for lettings of sites for booths in the vicinity of the camp, average per annum - - - - -				24	-	-
Small sums collected by the Ranger for gravel taken from the Curragh, either from private persons or by Contractors for County Roads, average per annum - - - - -				1	-	-
	£.			180	-	-

The Honourable *J. K. Howard* to Major General Sir *E. Lugard*.Office of Woods, &c.
24 March 1864.

Sir,

I HAVE received your letter of 22d ultimo, containing a proposal on the part of the Secretary of State for War, to take a lease of the Curragh of Kildare, at a rent of 530 *l.* per annum, and have recommended to the Lords of Her Majesty's Treasury, that I may receive their authority to arrange the terms and conditions of such a lease, due regard being had to the rights of the commoners, and to the interests of the Irish Turf Club, in regard to their permissive occupation of such parts of the Curragh as they may require for racing purposes.

I cannot, however, acquiesce in that part of the arrangement, under which Lord de Grey assumes that should the office of Ranger become vacant during the term of the lease, a reduction should be made in the proposed rent, as I consider the latter very moderate, considering the extent of the land to be leased.

I am, &c.

(signed) *James K. Howard*.Major General Sir *E. Lugard*. K.C.B.The Honourable *J. K. Howard* to the Marquis of *Hartington*, M.P.

My Lord,

Office of Woods, &c., 28 April 1864.

I HAVE received a communication from Mr. Peel stating, by direction of the Lords of Her Majesty's Treasury, that they authorised me to settle with the War Department the terms and conditions for granting to that Department a lease of the Curragh of Kildare, due regard being had to the rights of the commoners, and to the interests of the Irish Turf Club, in regard to their permissive occupation of the parts of the Curragh required for racing and training purposes.

I have, &c.

(signed) *James K. Howard*.The Marquis of *Hartington*, M.P.,
&c. &c. &c.

The Honourable *J. K. Howard* to the Marquis of *Hartington*, M.P.

My Lord,

Office of Woods, &c., 4 May 1864.

REFERRING to my letter to you of 28th ultimo I think it right to forward, for the consideration of the Secretary of State for War, a copy of a letter I received in the month of June last from the Stewards of the Irish Turf Club in regard to their interests in the Curragh of Kildare.

The Marquis of Hartington, M.P.,
&c. &c. &c.

I have, &c.
(signed) *James K. Howard.*

(Enclosure.)

Sir,

Club House, Kildare, 26 June 1863.

MR. HUNTER, Secretary to the Turf Club, has laid before us, the stewards and members of that body, your letter of the 19th May.

We thank you for the opportunity offered to us by you of making suggestions relative to the protection of the surface of the Curragh, which we fully concur in opinion with you is a subject of considerable importance for racing and other public objects.

We have exercised, through the permission of the Crown and its officers, control and privileges over the courses, gallops, and training-grounds for a series of years; we suggest that the right of warning off persons from using said courses, gallops, and training-grounds, without the consent of the stewards, should be granted to them.

That the stewards shall be empowered to levy and receive the fees, hitherto paid to them through the medium of the ranger, from the owners of horses who may be trained on the Curragh or who shall run on any of the courses thereon.

A Schedule of which fees, received by us, is herewith annexed.

On obtaining this direct power we undertake to spend such amount on the preservation of the courses, and to defray the other expenses connected with the racing establishment on the Curragh.

The fees specified in the Schedule are similar in amount to those received by the Turf Club for a series of years, and have been approved of by the Irish Government.

We further beg to state that the expense of keeping the courses and gallops in repair has considerably increased since the formation of the Camp, in consequence of the frequent drilling and exercise of the Artillery, Cavalry and Military Train, so much so that after every field-day it is necessary to go over the whole area of ground which had been used by the troops, and contains generally a space of six miles in extent.

We beg to state that we applied to the War Office to grant us an annual sum of 150*l.* a year to aid us in repairing the various parts of the Curragh damaged by the military.

That our application has not been decided on, but we have received two instalments on that account.

When the Camp was about to be formed we offered no objections, as we were informed that all extra expenses incurred by military being placed on the Curragh would be defrayed by that department.

We further state, that nearly all our former gallops and training-grounds, south of Dublin Road, are occupied by the Camp, the buildings attached thereto, and by the butts used for ball cartridge firing, consequently the number of gallops being much fewer than heretofore they are more cut up by the horses.

That several gallops on the north side are constantly injured by the training of the military. The stewards further suggest, for the safety and convenience of training and running horses, that the ordinary exercise of the military be confined to those parts of the Curragh south of the Limerick Road, except only on special occasions, such as grand reviews.

The stewards also consider it absolutely necessary, for the purposes before enumerated, that the surface of the Curragh should have a sufficient covering of herbage, which can only be obtained by prohibiting the removal of sheep droppings, and limiting the number of sheep to be grazed thereon.

We have, &c.
(signed) *M. Longfield,*
Wm. Quin, } Stewards of the
Edwd. St. George, } Turf Club.

The Hon. James K. Howard.

(For Marquis of Conyngham.)

SCHEDULE of FEES, referred to in the foregoing Letter, charged to Winners of Races on the Curragh:

For winners of races above 50 <i>l.</i>	-	-	-	-	-	4 guineas.
Under that sum	-	-	-	-	-	2 "
For Queen's Plates	-	-	-	-	-	2 "
For each horse trained on the Curragh	-	-	-	-	-	1 "

— No. 5. —

(Curragh, 8—414.)

Major General *Crofton* to the Quartermaster General, Horse Guards.

Sir,

War Office, 5 July 1864.

WITH reference to yours of the 6th August 1863, on the subject of the occupation of the Curragh of Kildare for military purposes, I am directed by Earl de Grey and Ripon to acquaint you, for the information of his Royal Highness the Field Marshal Commanding in Chief, that his Lordship has been in communication with Mr. Howard, the Commissioner of Woods and Forests, regarding the tenure under which this Department shall continue to hold the Curragh, and that Lord de Grey has decided that this Department shall take a lease of the ground for a term of 7, 14, or 21 years, a condition being embodied in the lease to the effect that a right of pre-emption is to be reserved to the Department at a price to be named in the lease.

The draft lease has been sent to the C. R. E. in Ireland for report, with instructions to place himself in communication with the General Officer Commanding on the subject.

I have, &c.

(signed) *J. Crofton*,
Major General.

The Quartermaster General,
Horse Guards.

The Deputy Quartermaster General to the Under Secretary of State,
War Office.

Sir,

Horse Guards, 12 August 1864.

WITH reference to War Office Letter of the 5th ultimo (Curragh, 8—414), on the subject of the occupation of the Curragh of Kildare for military purposes, I have the honour, by desire of the Field Marshal Commanding in Chief, to transmit a letter from the General Commanding in Ireland, with a report and plan from the Commanding Royal Engineer in that country.

I am to state that his Royal Highness concurs with the opinion expressed by the Commanding Royal Engineer, that the proposed lease appears to confer no advantage on the War Department.

I have, &c.

(signed) *Percy E. Herbert*,
Deputy Quartermaster General.

The Under Secretary of State,
War Office.

The Deputy Quartermaster General, Dublin, to the Quartermaster General,
Horse Guards.

Quartermaster General's Office, Dublin Castle,
10 August 1864.

Sir,

IN returning the enclosed War Office Letter of the 5th ultimo, received with your Minute of the 6th idem, respecting the proposed leasing of the Curragh of Kildare for military purposes, I have the honour, by direction of the General Commanding the Forces in Ireland, to transmit the enclosed Report from the Commanding Royal Engineer in this country upon the subject, and to inform you that Sir George Brown entirely concurs in the opinion of Colonel Durnford.

I have, &c.

(signed) *E. R. Wetherall*,
Deputy Quartermaster General.

The Quartermaster General,
Horse Guards, London.

3
With draft lease
and plan.

(Enclosures.)

Office of Commanding Royal Engineer in Ireland,
Dublin, 4 August 1864.

Sir,

HAVING been desired to prepare a plan to illustrate the accompanying draft lease to the War Department of the Curragh of Kildare, and to report on the conditions thereof, first communicating with the General Officer Commanding, I have the honour to submit for the consideration of Sir George Brown, the plan and draft lease, on which I have only to observe that the latter appears to confer no advantages whatever on the War Department over the existing arrangement; but on the contrary, while all the rights, privileges, and emoluments now exercised and derived by the Office of Woods are to continue (except 150 *l.* a year now paid by the War Department for gravel), as also the independent powers of the Curragh Ranger, the public rights of common and rights of way, which are still undefined, and the use of the Curragh surface by the Irish Turf Club, whose privileges (heretofore, I believe, exercised only on sufferance) will now be recognised and established—the Secretary of State for War is required to pay a rent of 530 *l.* per annum, instead of 5 *l.*, and will have to keep the whole of the Curragh surface and fences in proper condition and repair.

Before entering upon a new lease, I think it would have been better to have ascertained and determined what the existing legal rights of the public and others really are, as was suggested in the correspondence which accompanied the letter from this office dated 6th March 1862; and that, subject to those rights, the Curragh should be leased to the War Department without further restriction, leaving it to the Secretary of State to concede privileges which it is desirable he should have the power of regulating, and to deal with all irregularities, trespasses, and encroachments, instead of dividing the control, as is now proposed, between two different Departments.

I have, &c.

(signed) *Edward W. Durnford*, Colonel,
Commanding Royal Engineer.

The Deputy Quartermaster General.

DRAFT LEASE of the CURRAGH of KILDARE.

THIS INDENTURE made the day of 1865, Between the Queen's Most Excellent Majesty of the first part, the Honourable James Kenneth Howard, the Commissioner of Her Majesty's Woods, Forests, and Land Revenues, in charge of the Land Revenues of the Crown in Ireland, of the second part, and Her Majesty's Principal Secretary of State for the War Department, hereinafter called "the said lessee" of the third part; Witnesseth, that in consideration of the yearly rent hereby reserved, and of the covenants, provisoes, and agreements hereinafter contained: He, the said James Kenneth Howard, by virtue and in execution of the powers of an Act of Parliament of the 10 Geo. 4, c. 50, and of another Act of the 14 and 15 Vict. c. 42, and of all other powers enabling him in this behalf, and with the consent of the Commissioners of Her Majesty's Treasury, signified by their warrant: Doth, for and on behalf of Her Majesty, demise and lease unto the said lessee and his successors, All that land called the Curragh of Kildare, situate in the county of Kildare, in Ireland, except such parts thereof as are mentioned in the Schedule hereunder written, which said land intended to be hereby demised is delineated and surrounded by a red line in the Plan annexed to these Presents, and which said excepted parts are coloured Blue in the said Plan: Except and reserving to Her Majesty, Her heirs, and successors, all timber and other trees, and all stone, gravel, sand, and other substrata under the said land, other than such quantity of gravel and sand as may be required for the purposes of the Camps on the said Curragh, with full liberty for the said James Kenneth Howard and other the Commissioner or Commissioners for the time being of Her Majesty's Woods, Forests, and Land Revenues, having the management of the said premises hereinafter called the said Commissioner or Commissioners, to enter upon the said land, and to cut down, get up, and carry away the said excepted premises: To have and to hold the said land hereby demised, subject, nevertheless, to the use and occupation by the Irish Turf Club of such parts of the said land as have heretofore been and are now used by the said Club for racing and training purposes, and also subject to all such rights of common (if any), rights of way and other easements (if any) as may be legally exercisable upon or over the same, unto the said lessee and his successors, from the 1st day of April 1864 for the term of 21 years, determinable as hereinafter mentioned: Paying, therefor, unto the Queen's Majesty, Her heirs and successors, during the said term, the yearly rent of 530 *l.*, free from all taxes, rates, and deductions whatsoever, by equal quarterly payments on the 1st day of July, the 1st day of October, the 1st day of January, and the 1st day of April, in each year, and the first quarterly payment to be made on the 1st day of July 1864: And the said lessee doth hereby for himself and his successors covenant with the Queen's Majesty, Her heirs and successors, in manner following,

that is to say, that he the said lessee and his successors will pay to the Queen's Majesty, her heirs, and successors, the said yearly rent of Five hundred and thirty pounds hereby reserved, on the days and in the manner hereinbefore mentioned and appointed for the payment thereof, without any deduction or abatement whatsoever: And, also, will pay and discharge all taxes, rates, tithes, or tithe rent-charge, and all other assessments and impositions whatsoever, already or at any time hereafter during the said term to be taxed, charged, or imposed upon or in respect of the said premises: And, also, that he the said lessee and his successors will use his and their utmost endeavours to prevent any encroachments being made upon the said land: And, also, will not dig or suffer to be dug from the said land any sand or gravel except for the use and purposes of the Camp on the said Curragh, and will keep and preserve the said land and the mounds, banks, and fences thereof in a proper state and condition and in substantial repair: And, also, when and as often as any turf or sods shall be required to be taken from the said land for the purposes of the Camp, the said lessee will, immediately after taking the same, properly level the space or spaces left by the paring of such turf or sods, and sow the same with good perennial grass seeds, suitable to the soil and state of the land so pared, and will, as often as any of such turf or sods shall not be required for the purposes for which they were taken, replace the turf or sods not so required, on the land pared as aforesaid, and restore the surface of the said land for pasturage: And, further, that the said lessee or his successors will not assign or underlet the said land hereby demised, or any part thereof, for the whole or any part of the term hereby granted, without the previous consent, in writing, of the said Commissioner or Commissioners: Provided always, that if the yearly rent hereby reserved shall be unpaid for the space of 21 days next after either of the days hereinbefore appointed for the payment thereof, or if any breach or default shall be made in any of the covenants or provisoes hereinbefore contained, it shall be lawful for the Queen's Majesty, her heirs, or successors, and for the said Commissioner or Commissioners, on behalf of the Queen's Majesty, to enter into and upon and retain possession of the said premises hereby demised, as fully and effectually in all respects as if these Presents had never been made: And it is hereby covenanted and agreed that in case any re-entry shall be made under the proviso last hereinbefore contained, there shall be payable to the Queen's Majesty, Her heirs, and successors, in addition to any rent then due, a proportionate part of the accruing rent for the then current quarter of a year from the last quarterly day of payment up to the day on which such re-entry shall have been made: Provided always, and it is hereby agreed and declared, that this lease and the term hereby granted may be determined either by the said Commissioner or Commissioners, or by the said lessee, at the expiration of the first seven or the first 14 years of the said term of 21 years, by leaving at the office of the other of them six calendar months' notice, in writing, for that purpose previously to the expiration of such seventh or 14th year: Provided also, and it is further agreed and declared, that if the said lessee, or his successors, shall at any time during the said term hereby granted, be desirous of purchasing the freehold and inheritance in fee simple of the said land and hereditaments, subject to the use and occupation of parts of the said land by the Irish Turf Club, and also subject to the several rights, subject to which the said land and hereditaments are hereby demised (but freed and discharged from the exception and reservation to Her Majesty, hereinbefore contained), and of such his or their desire, shall leave at the office of the Commissioners of Her Majesty's Woods, Forests, and Land Revenues, six calendar months' notice, in writing, signed by the said lessee, the said Commissioner or Commissioners will, upon payment by the said lessee of the sum of £., as the price or consideration for such sale, convey and assure the said land and hereditaments hereby demised, subject to the use and occupation and to the several rights, subject to which the same are by these Presents demised (but freed and discharged from the exception and reservation to Her Majesty hereinbefore contained), to the said lessee and his successors' interest for the public service; and the conveyance of the said hereditaments shall be prepared in the office of Land Revenue, at the expense of the said lessee. And, further: That the rent hereby reserved shall continue to be payable, together with a proportionate part thereof, up to the day on which the purchase-money of the said premises shall have been fully paid.

In witness whereof, the said parties to these presents of the second and third parts have hereunto set their hands and seals the day and year first above written.

The SCHEDULE above referred to:

1. The new Stand House let to the Turf Club.
2. Stabling, &c., on the site of the old Stand House.
3. The Police Barrack, leased to the Constabulary.
4. A garden adjoining, containing about 60 yards by 48 yards, leased to the Sub-inspector of Constabulary.
5. A Methodist chapel and garden adjoining, containing about one acre, leased to the trustees.
6. Land containing about one rood, near Ballymanny, leased to Ponsonby Moore, Esq.
7. Site of stabling, &c., next the lands of Collaghnock glebe land, leased to Patrick Conolly.
8. The Hare Park or Fox Cover, leased, or agreed to be leased, to Lord Naas, as trustee for the Kildare Hunt.

The Honourable *J. K. Howard*, to the Marquis of *Hartington*, M.P.

Office of Woods, &c.,

15 September 1864.

My Lord,

ON the 27th June last the Solicitor to this Department forwarded to the Solicitor to the War Office, the draft for the proposed lease of the Curragh of Kildare to the War Department, and I have to request that your Lordship will be good enough to give directions that it be returned approved with as little further delay as possible.

I am, &c.

(signed) *James K. Howard*.

The Marquis of Hartington, M.P.,
&c. &c. &c.

EXTRACT from a LETTER, dated War Office, 3 November 1864, and addressed to the Honourable *J. K. Howard*.

“WITH reference to previous correspondence on the subject of the lease to the War Department of the Curragh of Kildare, and more particularly to the letter from this Office of 22d February, and your reply thereto of 24th March last, I am directed by Earl de Grey and Ripon to acquaint you that his Lordship is prepared to approve of the draft lease upon certain points, which have suggested themselves in its perusal, being definitely settled. I am to request, therefore, that you will inform me of the length of time the Ranger will be continued in office, and also the nature of the rights and powers paramount to those of the War Department which he can exercise.

* * * * *

“I am also to observe that his Lordship is still of opinion that the reduction in the proposed rent of 350 *l.* per annum—the sum paid as salary to the Ranger—should take place on the discontinuance of that office, as the claim for additional rent has been put forward with a view to reimburse your Department the expenses which the Crown has to sustain from the occupation of the Curragh as a Royal domain; however, if you are not prepared to accede to this proposal, Lord de Grey is willing that the matter should be referred for the decision of the Lords Commissioners of Her Majesty’s Treasury.

“I am further to enclose a plan coloured, with a view to a copy being attached to the lease; and, in calling attention to the line of railway shown thereon, to request information as to the conditions on which possession of the Crown land over which the railway passes was given to the railway company.

“It is requested that the plan may be returned.”

EXTRACT from a LETTER, dated Office of Woods, 9th November 1864, and addressed to the Marquis of *Hartington*, M.P.

“I HAVE to acknowledge the receipt of your Lordship’s letter of the 3d instant, on the subject of the proposed lease of the Curragh of Kildare. I propose to notice the several points adverted to in that letter in the order in which they are there stated.

“1. As to the office of Ranger, I transmit a copy of the instrument by which the Ranger was appointed, which will, I trust, supply the information desired as to the office in question.

* * * * *

“3. As to the proposed reduction of rent on the cesser of the salary to the Ranger, I collect that it is put on behalf of the War Department that the payment

ment of that salary is a reason why a rent in itself fair should be increased by the amount of the salary, so long as it is payable by this Department.

"But I apprehend this is hardly the sound view of the subject. I am quite prepared to agree that Messrs. Clutton should be requested to advise what would be a fair rent for the War Department to pay for the Curragh, irrespectively of the salary paid by this Department to the Ranger, and if that course is assented to I entertain little doubt that the rent fixed would be considerably in excess of that which is proposed to be reserved in the lease.

"But in the absence of any such reference to a surveyor, I think the rent should be reserved throughout the entire term, and the result, in that case, will be that, as the Crown has to pay the Ranger a salary of 350 *l.* per annum, it will not get anything like a fair income from the property until after the Ranger's salary ceases to be payable. On reconsideration, I think Lord de Grey will concur in my opinion; but, in case he should not do so, I am quite ready to submit to the decision of the Lords of the Treasury, to whom I must ask that a copy of this letter may be sent.

"4. As to the railway, I transmit herewith a copy of the conveyance by me to the Great Southern and Western Railway Company.

"In the event of this explanation being satisfactory to Lord de Grey, I shall be glad to have the draft lease approved."

(Enclosure.)

KNOW all men by these presents, that we, the Right Honourable Henry Pelham Clinton, commonly called the Earl of Lincoln, Alexander Milne, Esquire, and the Honourable Charles Alexander Gore, the Commissioners of Her Majesty's Woods, Forests, Land Revenue, Works and Buildings, under and by virtue of the powers and authorities vested in us by an Act passed in the tenth year of the reign of his late Majesty King George the Fourth, intituled "An Act to consolidate and amend the Laws relating to the Management and Improvement of His Majesty's Woods, Forests, Parks, and Chases of the Land Revenue of the Crown within the Survey of the Exchequer in England, and of the Land Revenue of the Crown in Ireland, and for extending certain Provisions relating to the same to the Isles of Man and Alderney." And of another Act passed in the second year of the reign of his late Majesty King William the Fourth, intituled "An Act for uniting the Office of the Surveyor-General of His Majesty's Works and Public Buildings, with the Office of the Commissioners of His Majesty's Woods, Forests, and Land Revenues, and for other Purposes relating to the Land Revenues," for us and our successors, Commissioners for the time being of Her Majesty's Woods, Forests, Land Revenues, Works and Buildings, have given and granted, and do by these presents give and grant unto Robert Browne of Portarlinton, in the Queen's county, esquire, the office of Ranger of the Royal Chase in Ireland, called the Curragh of Kildare, situate in the county of Kildare: And we do hereby for us and our successors, Commissioners for the time being of Her Majesty's Woods, Forests, Land Revenues, Works and Buildings, authorise, appoint, constitute, and empower the said Robert Browne, Ranger of the said Curragh of Kildare, to do, perform, and execute all things belonging or incident to the said office, and also to enter into and upon, and inspect and survey the said Curragh of Kildare, and every part thereof at his free will and pleasure, and to view, search, and see the state and condition thereof, and to preserve, maintain, and keep the metes and bounds of the said Curragh of Kildare, and to prevent encroachment, trespass, and intrusion thereon, and to preserve the game within the same or the limits and precincts thereof, and to take, seize, and destroy all such dogs, nets, guns, and other engines and instruments for the killing or taking of game as shall be used within the limits thereof by any person or persons not lawfully authorised to kill the said game, and to do, perform, and execute all such matters and things as may be necessary for the preservation of the game within the said Curragh of Kildare, and generally to inspect, manage, oversee, and superintend the said Curragh of Kildare, and to do any act, matter, or thing for the improving, bettering, and supporting the same, and the interest of Her Majesty, her heirs and successors therein in the most beneficial manner, and to the best advantage as the said Robert Browne shall according to his discretion and judgment think proper to have, hold, execute, and enjoy the aforesaid office of Ranger of the Curragh of Kildare, together with all the powers and authorities and all manner of fees, profits, perquisites, emoluments, and advantages whatsoever to the said office belonging or appertaining, or at any time or times heretofore performed, exercised, paid, rendered to, received and enjoyed by the several Rangers for the time being of the said Curragh of Kildare, or any of them, for and during the will and pleasure of us the said Earl of Lincoln, Alexander Milne, Esq., and the Honourable Charles Alexander Gore, and of our successors, Commissioners for the time being of Her Majesty's Woods, Forests, Land Revenues, Works and Buildings: And further, we do hereby authorise and empower the said Robert Browne to appoint any deputy or deputies for
whose

whose good conduct and faithful demeanour and behaviour, he shall be answerable for all or any of the purposes aforesaid, with all or any of the powers of the said Robert Browne as such Ranger; and also from time to time to change and remove any such deputy or deputies, and to appoint any other in his or their stead or place, when and so often as to him, the said Robert Browne, shall seem meet: in witness whereof, we, the said Earl of Lincoln, Alexander Milne, and Charles Alexander Gore, have hereunto set our hands and seals this eleventh day, of February, in the year of our Lord one thousand eight hundred and forty-five.

(signed) *Lincoln.*
A. Milne.
Charles Gore.

EXTRACT from a LETTER, dated War Office, 3 January 1865, addressed to the Honourable *J. K. Howard*.

With reference to your letter of the 9th November last, and previous correspondence relative to the proposed lease of the Curragh of Kildare to this Department, I was directed by Earl de Grey and Ripon to return to you the draft lease, with the following observations:—

With reference to the office of Ranger, and to the proposed lease being subordinate to all the rights and powers vested in and heretofore exercised by the Ranger, I have to observe that, from the deed of appointment of the 11th day of February 1845, it appears that the Ranger is empowered by the Crown to enter upon and inspect every part of the Curragh at his free will and pleasure, to prevent encroachment or intrusion thereon, to preserve the game, destroying all dogs and guns used by any person for killing game; to manage, superintend, and to do any act for improving and bettering the same, as he shall in his discretion and judgment think proper; rights and powers obviously (and properly) granted to the Ranger when the possession was vacant and the Curragh was used only as a game preserve, but equally at variance with necessity where a lessee is in possession on behalf of the Crown, and the use is allowed to the encampment of large bodies of men on the Curragh.

While the proposed lease is in continuance, the preservation of game is impossible, and the Secretary of State will, as every other lessee usually does, preserve the property leased to him from encroachment; or, failing to do so, his default will not prejudice the rights of the lessor. As, therefore, the emoluments of the office are secured to the present Ranger by the reservation of rent in the proposed lease, no prejudice can arise to him by revoking his appointment of the 11th February 1845, and, if necessary, by re-granting the office in such terms as not to interfere with the possession or use of the Curragh by the Secretary of State as lessee.

This course Earl de Grey thinks should be adopted before the lease is granted, and that the lease should be made in a form omitting all reference to the rights and powers of the Ranger, whose office, if re-granted, should be subordinate to the estate and interest of the lessee.

* * * * *

Lastly, under the circumstances stated by you, his Lordship will not press for the proposed condition that a reduction corresponding with the salary of the Ranger should be made in the rent on the discontinuance or abolition of that officer's appointment.

The Honourable *J. K. Howard* to Major General Sir *E. Lugard*.

Sir,

Office of Woods, 26 January 1865.

I HAVE received your letter of 3d instant, returning, with observations, the draft of the lease proposed to be granted to the Secretary of State for War of the Curragh of Kildare, and have to request that I may be informed whether, if the Ranger of the Curragh of Kildare should be prepared to surrender his office, the War Department would continue the allowance now made to him.

I am, &c.
 (signed) *James K. Howard.*

Lieutenant General Sir Edward Lugard, K.C.B.

(Curragh, 8—444.)

The Marquis of *Hartington* to the Honourable *J. K. Howard*.

Sir,

War Office, 3 February 1865.

In reply to your letter of the 26th ultimo, requesting to be informed whether, if the Ranger of the Curragh of Kildare should be prepared to surrender his office the War Department would continue the allowance now made to him, I am to request your attention to the letter from this office of the 22d February 1864, in reference to the allowance now made to the Ranger by this Department, and to state that Earl De Grey proposes that the allowance in question should cease at the time from which the new lease will take effect. I am to observe that in the rent agreed to be paid by this Department the allowance to Mr. Browne has been provided for, and the Secretary of State has no intention of paying any further sum to Mr. Browne.

I am, &c.

(signed) *Hartington*.

The Honourable James Howard,
Office of Woods.

The Secretary of the Treasury to Major General Sir *E. Lugard*.

Sir,

Treasury Chambers, 17 February 1865.

I AM directed by the Lords Commissioners of Her Majesty's Treasury to acquaint you that the arrangement between your Department and the Commissioners of Woods, &c., relative to the grant of a lease to the Secretary of State of the Curragh of Kildare, and the consequent adjustment of the office and duties of the Ranger of the Curragh, have been brought under the consideration of their Lordships by Mr. Howard. Before my Lords come to a decision on the subject, they would be glad to know if it is the intention of the Secretary of State to continue the allowance made to the present Ranger for acting as a magistrate at the Curragh, and what arrangements are contemplated with respect to the duties for which that officer is now responsible, and also the cost of such arrangements.

I am, &c.

(signed) *F. Peel*.Sir *E. Lugard*, K.C.B.

(Curragh, 8—456.)

Captain *Galton* to the Assistant Secretary, Treasury.

Sir,

War Office, 25 March 1865.

In reply to your letter of 17th ultimo, stating the desire of the Lords Commissioners of Her Majesty's Treasury to be informed whether it is the intention of the Secretary of State to continue the allowance made to the present Ranger for acting as a magistrate at the Curragh, and inquiring what arrangements are contemplated with respect to the duties for which that officer is now responsible, and the cost thereof, I am directed to acquaint you, for the information of their Lordships, that Earl de Grey and Ripon, having caused a reference to be made to the military authorities in Ireland, is of opinion that on the completion of the lease, by which the care of the Curragh will devolve on the officers of this Department, there will no longer be any grounds for continuing the special allowance heretofore made to Mr. Browne (the Ranger) for extra magisterial duties imposed on him by the occupation of the Curragh by Her Majesty's troops.

I am to add, that no increase is contemplated to the members of the present staff in consequence of the transfer to them of Mr. Browne's duties.

I have, &c.

(signed) *Douglas Galton*.

The Assistant Secretary, Treasury.

CURRACH OF KILDARE.

COPIES OF EXTRACTS OF CORRESPONDENCE with
reference to the Granting of a Lease of the
CURRACH OF KILDARE by the CROWN to the
WAR DEPARTMENT.

(*Lord Naas.*)

Ordered, by The House of Commons, to be Printed,
22 May 1865.

A R M Y.

STATEMENT of SUMS Paid to RELATIVES of DECEASED OFFICERS of HER
MAJESTY'S ARMY in lieu of PENSION, &c., during the Year 1864-5, in pursuance of
the Provisions of the Royal Warrant of the 1st day of March 1856.

War Office,
24 April 1865.

HARTINGTON.

STATEMENT of SUMS Paid to the RELATIVES of DECEASED OFFICERS of HER
MAJESTY'S ARMY in lieu of PENSIONS, &c., during the Year 1864-5, in pursuance
of the Provisions of the Royal Warrant of the 1st day of March 1856.

NAME and RANK of OFFICER.	CAUSE and DATE of OFFICER'S DEATH.	AMOUNT of COMPENSATION.			TO WHOM PAID.
		£.	s.	d.	
Glover, Robert Coke, Cap- tain 43d Foot.	Killed in action in New Zealand, on 29th April 1864.	711	2	-	Rev. Frederick R. A. Glover (Father).
Glover, Frederick Guy Eaton, Captain 43d Foot.	Died of wounds received in action in New Zea- land, on 1st May 1864.	457	1	3	Rev. Frederick R. A. Glover (Father).
Murphy, William Lewis, Lieutenant 12th Foot.	Killed in action in New Zealand, on 20th No- vember 1863.	254	4	2	Wm. C. Murphy, Esq., M.D. (Father).
Phelps, John Shaw, Cap- tain 14th Foot.	Died of wounds received in action in New Zealand, on 25th November 1863.	1,144	9	7	Mr. James C. Phelps, (Father).

War Office,
24 April 1865.

A R M Y.

STATEMENT of Sums Paid to RELATIVES of
DECEASED OFFICERS of HER MAJESTY'S ARMY
in lieu of PENSION, &c., during the Year 1864-5,
in pursuance of the Provisions of the Royal
Warrant of the 1st day of March 1856.

(Presented to Parliament by Her Majesty's Command.)

*Ordered, by The House of Commons, to be Printed,
25 April 1865.*

EAST INDIA (HER MAJESTY'S FORCES).

RETURN to an Address of the Honourable The House of Commons,
dated 27 April 1865 ;—for,

“ RETURN of the Mean STRENGTH and of the DEATHS and other CASUALTIES among the NON-COMMISSIONED OFFICERS and MEN of HER MAJESTY'S FORCES serving in each of the Three Presidencies of *India* during each of the Years 1856 to 1864, in the following Form :

Years	BENGAL.			MADRAS.			BOMBAY.		
	Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.	Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.	Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.
1856									
1857									
1858									
1859									
1860									
1861									
1862									
1863									
1864									

War Office, }
2 June 1865. }

HARTINGTON.

RETURN of the Mean STRENGTH and of the DEATHS and other CASUALTIES among the NON-COMMISSIONED OFFICERS and MEN of HER MAJESTY'S FORCES serving in each of the Three Presidencies of *India* during each of the Years 1856 to 1864.

Years	BENGAL.			MADRAS.			BOMBAY.		
	Mean Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.	Mean Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.	Mean Strength.	Deaths.	Invalided and Discharged from any Cause, including those leaving on account of completed Term of Service.
1856	15,024	1,076	548	3,142	57	123	4,526	84	209
1857	18,403	2,734	854	3,786	183	162	4,909	388	223
1858	40,471	4,620	2,397	9,490	481	131	14,001	699	343
1859	49,767	2,315	2,636	12,193	356	729	19,251	593	987
1860	44,607	1,642	3,231	11,038	225	927	12,083	352	743
1861	40,654	1,809	2,246	10,918	171	727	9,414	200	514
1862	40,626	1,192	2,552	11,847	232	687	9,785	255	516
1863	42,775	1,054	1,849	12,661	243	832	12,273	162	672
1864	41,223	843	2,264	12,800	257	748	12,153	192	876

Adjutant General's Office, Horse Guards,
30 May 1865.

J. Yorke Scarlett,
Adjutant General.

EAST INDIA (HER MAJESTY'S FORCES).

RETURN of the Mean STRENGTH and of the
DEATHS and other CASUALTIES among the
NON-COMMISSIONED OFFICERS and MEN of
HER MAJESTY'S FORCES serving in each of the
Three Presidencies of *India* during each of the
Years 1856 to 1864.

(*Lord Stanley.*)

*Ordered, by The House of Commons, to be Printed,
8 June 1865.*

ENFIELD RIFLES.

RETURN to an Address of the Honourable The House of Commons,
dated 27 June 1865;—for,

“COPY of the REPORT of the COMMITTEE appointed by Government on
the TRIALS at *Woolwich* of ENFIELD RIFLES converted to BREECH-
LOADERS.”

War Office, }
3d July 1865. }

HARTINGTON.

COPY of the REPORT of the ORDNANCE SELECT COMMITTEE on the TRIALS
at *Woolwich* of ENFIELD RIFLES converted to BREECH-LOADERS.

ORDNANCE SELECT COMMITTEE.

Committee Minute, No. 14,414, 6/2/65. Report, No. 3621.

(7669/65.)

6 February 1865.

PRESENT :

Brigadier General Lefroy, R. A.
Captain L. G. Heath, C. B., R. N.
Colonel Hogge, C. B., R. A.

Colonel Younghusband, R. A.
Lieutenant Colonel Gallwey, R. E.
Captain Heyman, R. A., Secretary.

SUB-COMMITTEE :

Lieutenant Colonel R. S. Baynes, Unattached, President.
Lieutenant Colonel Conolly, V. C., Coldstream Guards, } Members.
Captain M'Crea, 45th Regiment,
Captain Haig, R. A., Secretary.

Subject :—*On the Conversion of the Enfield Rifle into a Breech-Loader.*
First Report of Competitive Trial.

COMMITTEE'S REPORT.

With reference to War Office Minute 27/10/64, on 7669/41, and Report
No. 3479, Minute 13,287.

THE Committee have the honour to forward a progress report, drawn up by
the Sub-Committee named above, of the first series of experiments with Enfield
rifles converted into breech-loaders.

In answer to War Office advertisement, 24/8/64, 7669/26, inviting gunmakers
and others to submit plans for the conversion of the Enfield rifle to a breech-
loader on the following conditions :—1st. Cost not to exceed 1*l.* per arm.
2d. The shooting of the converted arm not to be inferior to that of the Enfield
rifle. Fifty different systems of conversion were proposed for the consideration
of the Ordnance Select Committee.

After careful examination the following eight systems were chosen as being *primâ facie* the most promising for the object in view:—

- | | |
|-----------------------|---------------|
| 1. Storm's. | 5. Green's. |
| 2. Shepard's (b). | 6. Snider's. |
| 3. Westley Richards'. | 7. Joslyn's. |
| 4. Wilson's. | 8. Shepard's. |

The first five of these are breech-loading systems in which the charge is ignited by cap and nipple in the ordinary manner, the three latter are adapted for cartridges carrying their own ignition. Forty-eight Enfield rifles, perfectly new, were chosen by the Superintendent Royal Small Arms Factories, which, after being tested for soundness and for accuracy at 500 yards' range, were issued to the selected competitors for conversion into breech-loaders, six rifles for each system.

They were to be returned by the inventors converted within two months, accompanied by 1,000 rounds of such ammunition as each competitor might think most suitable.

The arms and ammunition were delivered at Woolwich as follows:—

	Dates of Receipt.	
	Arms.	Ammunition.
Storm's - - - - -	20/12/64	20/12/64
Shepard's (a) - - - - -	24/12/64	14/ 1 /65
Snider's - - - - -	28/12/64	10 / 1 /65
Wilson's - - - - -	30/12/64	Ditto.
Green's - - - - -	9/1 / 65	Ditto.
Westley Richards' - - - - -	10/1 / 65	Ditto.
Shepard's (b) - - - - -	14/1 / 65	Ditto.

The delay on the part of some of the competitors in the delivery of their arms and ammunition retarded the commencement of the trials.

In the meantime the Committee drew up a programme of experiments which they considered best calculated to determine the respective merits of the various systems, a copy of which is appended.

Before proceeding to give a detail of the first series of experiments, the Sub-Committee think it desirable to give a brief description of each system. The weight of each arm, the charge of powder, bullet, and other particulars are given in a tabular form in a schedule appended.

1. *Storm's System.* Patent of November 1860, No. 2933.

This is a chamber-loading system, and was first brought to the notice of the O.S. Committee in April 1860.

About $2\frac{1}{2}$ inches of the Enfield barrel are cut off and a chamber capable of containing the powder and bullet substituted, the joint between this chamber and the barrel being closed by an expanding thimble or ring which effectually prevents escape of gas. This chamber works on a hinge at its front, and is secured in the firing position by a bolt worked by the lock.

2. *Shepard's System (b).*

This system is adapted for the percussion cap, and resembles the other system, No. 8, described below, in the manner of closing the breech, but the hammer is made longer to reach the nipple, which is beyond the breech stopper.

3. *Westley*

3. *Westley Richards' System.*

This system is identical with that of Westley Richards' breech-loading cavalry carbine, with one exception, that there is a hook at the end of the plunger, which is intended to withdraw the paper case of the cartridge and the wad at its base after each discharge. To facilitate this withdrawal the wad has a small hole in its centre.

4. *Wilson's System.*

This system was first brought before the Committee in April 1860.

The breech of the Enfield rifle being removed, the barrel is prolonged backwards for several inches, the upper part of the added piece being open at the top to allow of the cartridge being placed in it. It also carries a plug or plunger, which slides in it, and by its means the breech is closed. This plunger is secured in the firing position by a transverse bolt, which passes right through it and the stock, a short distance in rear of and above the pivot of the hammer. The plunger has an india-rubber washer a short distance from its face, to assist in preventing escape of gas at the breech.

5. *Green's System.*

This system was first brought to the notice of the Committee in May 1863.

It resembles that of Wilson, as regards the method of closing the breech, but the plunger is locked in a different manner. A small lever at the rear end of the plunger enables it to be turned through a quarter circle. There is a recess cut in the left side of the cylinder, which carries the plunger, and a lump corresponding in size forms part of the plunger, and when forced into the recess by the lever before-mentioned prevents it from moving.

There is an india-rubber washer to assist in preventing escape of gas, as in Wilson's system.

6. *Snider's System.*

This is a new system, and dispenses with the nipple and percussion cap, being adapted for a cartridge carrying its own ignition.

The method of conversion is very simple. About two inches of the upper part of the Enfield barrel are cut away at the breech, and a solid breech stopper working sideways on a hinge is placed in the opening thus made. A piston passes through this stopper, and when the breech is closed, one end of it receives the blow from the hammer, and the other communicates it to the centre of the cartridge, and fires it.

There is an arrangement for withdrawing the old cartridge cases after each discharge.

7. *Joslyn's System.*

This system is also adapted for a cartridge carrying its own ignition, but in a different manner from that of Snider; it was first brought to the notice of the Committee in December 1861. The breech stopper works laterally on a hinge, and has an arrangement attached to it, which wedges home the cartridge when loading, and partially withdraws the empty case after firing when the breech is opened.

The rifles converted on this system have not yet been received by the Committee. Mr. Newby, 11/1/65, states that the delay in their delivery is entirely owing to the difficulty of obtaining a permit for them to leave New York from the United States Government.

8. *Shepard's System (a).*

This system was first brought to the notice of the Committee in February 1864. It is adapted for a metallic cartridge exactly similar to that of Joslyn's system, but the method of closing the breech is totally different.

Report, No. 3188.
22/2/64.

From the peculiar manner in which this is effected, it is called the breech-lock system. The breech stopper works on a pivot below and in rear of the breech of the gun, and is locked in the firing position by the lower part of the hammer, which projects and fits closely behind it. The lock is not at one side of the gun, as in most systems, but is in the centre of the stock. In this conversion the only original part of the Enfield rifle which is retained is the barrel.

The Sub-Committee commenced the first series of experiments on the 9th January 1865, and adhering to the programme, proceeded to test the several systems for rapidity of fire.

The results were as follows :—

SYSTEM.	Times of firing 20 Rounds.			REMARKS.
	Min.	Max.	Mean.	
	m. s.	m. s.	m. s.	
Storm's - -	2 35	3 27	3 1	The mean taken from nine series of 20 shots, one series omitted, having been fired by a slow and awkward man.
Westley Richards'	2 49	4 59	3 29	Occasional delay from pieces of wad impeding the action of the lever and plunger.
Wilson's - -	2 28	3 12	2 44	The mean taken from five series of 20 shots with one rifle only.
Green's - -	2 16	2 56	2 26	
Snider's - -	2 10	3 38	2 46	Occasional delay from a cartridge fitting tight.
Service Enfield -	5 37	8 9	6 52	

In the above experiments the cartridges and caps (when necessary) were laid out convenient to the hand of the man firing. On actual service the relative rapidity of fire would be still more in favour of the systems requiring no cap, owing to the ammunition having to be taken from pouches.

But it may be fairly assumed from the foregoing results, that the repeating power of breech-loading arms over muzzle-loaders is as two to one in systems in which the percussion cap is used, and as three to one in systems adapted for cartridges carrying their own ignition.

The ammunition first supplied by Mr. Wilson was a skin cartridge, but being found very defective, he was permitted to withdraw it, and supply in its stead some of a better kind, which has been fired throughout the trials here recorded.

Mr. Westley Richards' ammunition differs from that of all the other systems as regards the form of the bullet, which has no cavity, but is solid with a rim at the base projecting beyond the body of the bullet.

The charge of powder is 76 grains, being six grains in excess of any other system, and of the charge for the Enfield rifle. The cartridge is coated with an excessive quantity of lubrication, which makes the right hand very greasy, and renders the manipulation of the breech arrangement, cartridge and percussion caps difficult.

In order to put the different systems on an equality as regards ammunition, the Committee have recommended that 500 additional rounds may be supplied for each system.

Each cartridge to consist of—

Powder J-2 - - - - 70 grains.

Bullet service W.P. 0.55 - - 530 „

Lubrication on the bullet to be pure bees-wax.

After three nights' exposure to the weather, and daily firing in accordance with the programme (total number of shots 200 per arm), three targets of 20 shots each were made from each rifle in its foul state at 500 yards range, using fixed rests.

The

The mean results were as follows:—

System.	Range.	Reduced Angle.	Mean Deviation.	Remarks.
	<i>Yards.</i>		<i>Feet.</i>	
Storm's - - - -	500	1 18	2.58	From three targets with only one rifle.
Westley Richards' - -	„	1 20	1.81	
Wilson's - - - -	„	1 26	2.19	
Green's - - - -	„	1 28	3.59	
Snider's - - - -	„	1 36	5.00	
Service Enfield - -	„	1 13	1.64	

The above mean deviations cannot be considered as strictly comparable, as the targets were made on different days, under variable circumstances of weather, but they serve to show the serviceability of the several rifles after the severe test they had been submitted to.

The rifles experimented with had now fired about 270 rounds each, without being cleaned. The number of missfires were as follows:—

Missfires.

Storm's - - - 0

Westley Richards' 1 Only one rifle was fired, the second becoming un-serviceable.

Green's - - - 0

Snider's - - - 8 Some due to imperfect manufacture of rifle No. 25, one to an empty cartridge case, the others to faulty caps.

Unaltered Enfield 1

The rifles after having been fired from fixed rests, as above recorded, were taken to pieces and carefully examined by Mr. Gunner, Chief Inspector of Small Arms at Enfield, who supplied the Committee with the following information:—

No. of Rifle.	SYSTEM.	REMARKS.
1	W. Richards' - -	Stock broken, Breech arrangement sound.
2	W. Richards' - -	Stock broken - - - ditto.
7	Wilson's - - -	Stock broken - - - ditto.
8	Wilson's - - -	Stock sound - - - ditto.
25	Snider's - - -	Stock sound - - - ditto.
26	Snider's - - -	Stock sound - - - ditto.
37	Storm's - - -	Stock sound - - - ditto.
38	Storm's - - -	Stock broken - - - ditto.
43	Green's - - -	Stock sound - - - ditto.
44	Green's - - -	Stock sound - - - ditto.

But from a further examination of the whole of the arms of each system it became evident that, of the above five systems, Snider's is that in which the wood of the original stock is the least cut away and weakened, then follows Storm's; and the other three—viz., Wilson's, Westley Richards', and Green's—are about equally weakened.

In these three latter rifles there is but a thin film of wood between the lock and

and the breech arrangement, and in the two latter systems this wood is entirely cut through, and a piece patched in. The Committee commenced experiments with Mr. Shepard's system (*b*) adapted for the percussion cap, but after several ineffectual attempts to load the ammunition supplied by him (the cartridge invariably breaking to pieces, and the powder clogging the breech arrangement), they were obliged to be abandoned, not a single shot having been fired. The rifles and some ammunition of his other system have been supplied, but no experiments have been made with them on account of imperfection in the arms and the dangerous nature of the cartridges, as represented by the European Fire Arms Company on the part of Mr. Shepard. It is to be regretted that the detention in America of the six rifles converted on Mr. Joslyn's system, and the unavoidable exclusion of Mr. Shepard's system from the present trials, for the reasons stated above, should have reduced the experiments with cartridges containing their own ignition to one system only (Mr. Snider's), and that the object which the Committee had in view when selecting these three systems for trial, to obtain some data on the subject of such cartridges, should have been partially defeated.

Report, No. 3617,
Min. 14,285.

As far as the trials with Mr. Snider's system have proceeded, the Sub-Committee think the results obtained with this ammunition encouraging, and as a cartridge carrying its own ignition is a great desideratum for military service, the Committee would take this opportunity of again suggesting that the Superintendent Royal Laboratories, separately or in conjunction with the Chemist of the War Department, be requested to investigate the subject, with a view to the ultimate production and manufacture of a primed cartridge loading safely, and adapted for all the exigencies of the service.

There are at present in the Committee's Museum various systems of breech-loaders adapted for this description of ammunition, which might be placed at the disposal of the Superintendent Royal Laboratory, if necessary, for experiment. The Committee are now proceeding with the second series of experiments, in accordance with the programme.

8/2/65.

J. H. Lefroy, Brigadier-General,
Royal Artillery, President.

PROGRAMME of the TRIAL of 48 ENFIELD RIFLES converted to BREECH-LOADERS upon Eight different Systems (Six Rifles on each System).

1. The 48 Enfield rifles converted into breech-loaders which are for trial are of eight different varieties (six of each kind), the inventors being as follows:—

- | | |
|-----------------------------------|--|
| 1. Mr. Mont Storm (by Mr. Phelps) | } In all of which the percussion cap and nipple of the Enfield rifle are retained. |
| 2. Mr. E. C. Shepard (<i>b</i>) | |
| 3. Mr. Westley Richards | |
| 4. Mr. Thomas Wilson | |
| 5. Mr. C. E. Green | |
| 6. Mr. Snider | } In which a metallic cartridge, carrying its own detonating composition, is adopted |
| 7. Mr. Joslyn (by Mr. Newby) | |
| 8. Mr. E. C. Shepard (<i>a</i>) | |

2. Before proceeding to any firing experiments with these rifles, each rifle shall be submitted to the regulated proof, with a view to ascertain the safety of the breech arrangement.

3. The safety of these rifles having been ascertained as above, four rifles of each description will be assigned for experiments, for range and accuracy, penetration, initial velocity, and recoil. The other two will be reserved for experiments with reference to the following points:—

Rapidity of fire.	Fouling.
Liability to failure.	Exposure to weather.
Simplicity of management.	

4. FIRST SERIES OF EXPERIMENTS.

Rapidity of Firing.—Fouling.—Exposure to Weather.

1. Fire five series of 20 rounds each, without cleaning, from each of the two arms of the several descriptions reserved for these experiments—time of firing to be noted. The arm then to be exposed to the weather for one night uncleaned.

2. The following day fire 50 additional rounds from each of these rifles, without cleaning, and then leave them exposed a second night to the weather.

3. Fire 50 more rounds from these rifles on the following day, still without cleaning, and again expose to the weather for a third night.

4. To ascertain the effects of the above tests on the rifles, targets to be made with them at 500 yards' range.

In the course of the above experiments it is anticipated that there will be ample opportunity for judging of the relative simplicity of management and liability to failure of the various systems.

5. SECOND SERIES OF EXPERIMENTS.

Range and Accuracy.

It being impracticable to provide a separate target and fixed rest for each individual description of rifle, the following course will be observed for the attainment of results under circumstances as nearly similar as possible.

On every day on which experiments for range and accuracy are carried on, at least one arm of each description shall be fired. There being two targets available, the arms will be fired in pairs from fixed rests, at the following ranges, viz., 500 yards and 800 yards.

Double targets of 20 rounds from each of the rifles assigned for this purpose to be made at these ranges.

The targets will be made from the Committee's fixed rests, using such slides as shall be determined on by them, but they expect to be able to use the same for all the rifles.

All angles of elevation will be taken by clinometer.

The Committee will decide on the merits of the arms in this respect by taking the means of the figures of merit of the several targets of each description of rifle at each range.

6. PENETRATION.

Two rifles of each class will be selected and tested as to their power of penetration by firing five rounds from each rifle at half-inch elm boards (previously soaked in water) placed in a frame half an inch apart, range 30 yards.

7. INITIAL VELOCITY.

One rifle of each description will be tested for initial velocity by means of Navez apparatus.

8. RECOIL.

Six rounds to be fired from one rifle of each description in the machine used at the Royal Small Arms Factory, Enfield, for the purpose of ascertaining the recoil.

9. The Committee will make any such additional experiments as may suggest themselves as necessary in the course of the inquiry.

10. A copy of this programme to be sent to each inventor, to whom due notice will be given of the day fixed for the commencement of the trial, when the several inventors will be at liberty to attend.

11. The Committee request the several inventors, if present, to leave the entire management in their hands, and to abstain from all interference during the trial.

6 January 1865.

J. H. L.

SCHEDULE of 48 ENFIELD RIFLES converted to BREECH-LOADERS on Eight different Systems, with Particulars of their respective Ammunition.

System of Conversion.	Number of Rifles.	Weight of Rifle without Bayonet.	Excess above Enfield.	Length of Barrel from Muzzle to Base of Cartridge.	Nipple.	AMMUNITION.											
						Caps.	Bullet.			Powder.		Cartridge.					
							Length.	Diameter.	Weight.	Description.	Weight.	Description.	Lubrication.	Weight of 60 Rounds.	Difference from 60 Rounds Service.		
Westley Richards' -	1	lbs. oz.	oz.	ft. in.	Coned from face and bushed with platina.	Special.	inch.	inch.	grains.			Curtis and Harvey.	grs.	Paper (felt wad at base).	Special, No. 8.	lbs. oz.	lbs. oz.
	2	9 11															
	3	9 7½															
	4	9 6¾															
	5	9 8½															
	6	9 9¾															
Mean - -	-	9 8¼	8¼	3 2½			0.895	0.599	530		76				5 11¾	0	
Wilson's -	7	9 7½			Coned from face, and drilled from one side at bottom.	Special.								Paper (felt wad at base).	Wax and tallow.		
	8	9 11½															
	9	9 13¼															
	10	9 13¼															
	11	9 13½															
	12	9 12															
Mean - -	-	9 11¾	11¾	3 2⅙			1.087	0.570	530 w.p.	-	70				5 8¾	- 3	
Shepard's (a) -	13	9 15½			None required.	None required.							Metallic, with ful- minate in the rim at the base.	Wax and tallow.			
	16	10 1¼															
	17	10 0¾															
	18	10 1¾															
	19	10 1¼															
	21	10 2¾															
Mean - -	-	10 1¼	17¼	3 2⅐			1.016	0.565	-	-	-				5 13	+ 1½	
Shepard's (b) -	14	10 0			Special.	Special.							Glazed paper, with copper cap at the base.	Wax and tallow.			
	15	10 3¾															
	20	10 12¼															
	22																
	23																
	24																
Mean - -	-	-	-	3 3.0			1.016	0.565	530	-	70				5 13¼	+ 1½	
Snider's -	25	9 5¼			None. Percussion cap in cartridge.	Special.							Papier mâché, with brass cap at base, carrying its own ignition.	Wax and tallow.			
	26	9 6¾															
	27	9 3¾															
	28	9 4															
	29	9 5¼															
	30	9 6½															
Mean - -	-	9 5¼	5¼	3 0.6			1.105	0.568	530 w.p.	-	65				6 0	+ 4½	
Joslyn's -	31	Not yet received.			None required.	None required.							Metallic, carrying its own ignition.				
	32																
	33																
	34																
	35																
	36																
Mean - -	-	-	-	-			-	-	-	-	-						
Storm's -	37	9 7¾			Coned from face and bushed with platina.	Special.						Lawrence, No. 4.	Skin in outer case of paper, or the service cartridge.	Two parts wax, one part tallow.			
	38	9 0¾															
	39	9 5¾															
	40	9 4¼															
	41	9 7¼															
	42	9 2															
Mean - -	-	9 4½	4½	3 2½			1.094	0.553	530 w.p.		70				5 10¼	+ 1½	
Green's -	43	9 8½			Coned from face and bushed with platina.	Special, without flanges.							Paper, with felt wad at base.	Wax and tallow.			
	44	9 10															
	45	9 3½															
	46	9 8															
	47	9 9½															
	48	9 10															
Mean - -	-	9 8¼	8¼	3 2⅞			1.100	0.552	530 w.p.	-	72				5 10¼	+ 1½	

ORDNANCE SELECT COMMITTEE.

(7669/68.)

Committee Minute, No. 14,730, 6/3/65.—Report, No. 3654.

14 March 1865.

PRESENT :

Brigadier General Lefroy, R.A., President.
Captain L. G. Heath, C.B., R.N., Vice President.
Colonel Hogge, C.B., R.A.
Colonel Younghusband, R.A. } Members.
Lieut.-Colonel R. S. Baynes, Unattached,
President of Sub-Committee. }
Lieut.-Colonel Gallwey, R.E. }
Lieut.-Colonel Conolly, V.C., Coldstream Guards } Members of Sub-Committee.
Captain M'Crea, 45th Regiment }
Captain Heyman, R.A., Secretary.
Captain Haig, R.A., Secretary to Sub-Committee.

Subject.—On the Conversion of the Enfield Rifle into a Breech-Loader.

SECOND REPORT.

With reference to Report, No. 3621, Minute 14,414.

THE Committee having completed the experiments for range, accuracy, and penetration of the various systems of breech-loading converted rifles under their consideration, have now to make a further report upon the merits of these respective systems, in continuation of Report, No. 3621, dated 6th February 1865, believing that it is of more importance that the conclusions they have now arrived at, should at once be laid before the Secretary of State for War, than to wait for the results of experiments to determine initial velocity and recoil, which are not likely to affect their decision.

It will be sufficient here to remark, that none of the men employed in firing from the shoulder complained of the recoil, although their attention was more than once called to the question by the Committee.

2. The following table shows the mean radial deviations of the different arms at 500 and 800 yards, with the ammunition supplied for them by their respective inventors.

The 3d column shows the figures of merit determined by the Committee at 500 and 800 yards from double targets of 20 shots, each fired from four rifles of each system at both these ranges, fixed rests being of course employed throughout.

The 5th column shows the mean figure which has been obtained from various Enfield rifles experimented with by the Ordnance Select Committee during the past year.

The figures shown in the 3d column are the means of 8 targets of 20 rounds each:—in the 5th column of 12 targets.

TABLE I.—ARMS FIRING THEIR OWN AMMUNITION.

S Y S T E M S. 1.	Range. 2.	Observed Mean Radial Deviation after Conversion. 3.	Mean Elevation after Conversion. 4.	N O R M A L V A L U E S.	
				Radial Deviation. 5.	Elevation. 6.
	<i>Yards.</i>	<i>Feet.</i>	<i>° ' "</i>	<i>Feet.</i>	<i>° ' "</i>
Westley Richards -	500	1·73	1 21 41	1·57*	12 3 48
Storm - - -	"	2·07	1 24 52		
Wilson - - -	"	2·09	1 28 25		
Snider - - -	"	4·63	1 41 15		
Green - - -	"	4·67	1 31 13		
Westley Richards -	800	2·55	2 25 36	3·93*	2 28 18
Storm - - -	"	4·16	2 28 26		
Wilson - - -	"	4·35	2 36 23		
Snider - - -	"	4·87	2 32 23		
Green - - -	"	7·56	2 34 16		

* These figures are the average obtained in the Committee's practice of 1864.

3. The rifles were not fired at 800 yards before conversion. From general knowledge of the arms, the quantity which may be taken to represent an average deviation at that distance, is 3·93 feet*

Mr. Westley Richards' arms alone gave a superior figure at 800 yards, and none of them came up to the average shooting of the arm at 500 yards, which the Committee take to be 1·57 feet.*

They all of them give a figure inferior to the one obtained with the same arms at Enfield before conversion, but the Committee lay less stress on this, from the circumstance that the fixed rests at that establishment are of a very superior description.†

Taking in each case the sum of the mean radial deviations, the order is :—

					Relative Figures of Merit.	
					<i>Feet.</i>	
Westley Richards	-	-	-	-	4·28	74
Service Enfield	-	-	-	-	5·50	100
Wilson	-	-	-	-	6·44	117
Storm	-	-	-	-	7·23	131
Snider	-	-	-	-	9·40	171
Green	-	-	-	-	12·23	222

4. The superior shooting of the Westley Richards' rifles is largely promoted by the ammunition employed, which contains six grains of powder in excess of the service charge, and a solid bullet of lead hardened with antimony, similar in weight to the service bullet, but its diameter is increased at the base to 0·599, its length being somewhat reduced. In the other four systems the bullet is similar in weight and form to that of the service.

5. With regard to the accuracy of the other systems, the bad shooting of Snider's rifles at 500 yards was attributed by the Sub-Committee principally to insufficiency of powder. At 800 yards they were fired with service charges emptied into Mr. Snider's cases, and service bullet, the waxed paper round the bullet being retained, when comparatively good results were obtained.

6. Mr. Green's rifles showed a tendency to foul very rapidly about the muzzle, probably from some cause connected with the lubrication employed ; as the breech is closed in a manner precisely similar to that of Mr. Wilson's system, in which this defect was not observable.

7. The Sub-Committee repeated the trials for accuracy at 500 and 800 yards, with two rifles of each system, with ammunition consisting of the service charge of J-2 powder and the service bullet, but made up specially by the inventors, Westley Richards excepted, to suit their respective systems.

The object of this experiment was to ascertain to what extent the service J-2 powder with the service bullet, could be employed in making up ammunition for these arms.

The results were as follows :—

TABLE II.

SYSTEM.	Range.	Mean Radial Deviation.	Angle of Elevation.			REMARKS.
			°	'	"	
	<i>Yards.</i>	<i>Feet.</i>				
Storm's	500	2·12	1	22	00	Each mean is the result of four targets of 20 rounds.
Snider's	"	2·12	1	25	04	
Wilson's	"	3·13	1	26	25	
Green's	"	5·38	1	30	39	
W. Richards*	"	5·87	1	25	21	* This system was not tried at 800 yards with this ammunition, in consequence of the bullets being found to strip frequently.
Storm's	800	4·40	2	40	03	
Wilson's	"	5·50	2	53	30	
Snider's	"	7·18	2	49	33	
Green's	"	8·25	2	48	57	

* These figures are the average obtained in the Committee's practice of 1864.

† The figures obtained at Enfield before conversion at 500 yards, were as follows :—

1·28 Feet.
1·15 "
1·26 "
1·18 "
1·06 "

Mean - - - 1 19

8. This trial proved that the service powder charge and bullet can be employed in all the different arms, except those of Westley Richards, which were not intended by him to be used with that ammunition, on account of its chamber requiring a larger bullet and charge of powder.

The shooting of Storm's arms is very nearly the same with both ammunitions.

That of Snider's was better with the service ammunition at 500 yards, than with its own, but not nearly so good at 800 yards. Wilson's and Green's systems are decidedly worse with the service ammunition than with their own, at both distances.

9. The penetrations were determined as follows, the experiments being made in accordance with the programme:—

Westley Richards'	-	-	-	-	-	16 $\frac{3}{4}$	planks.
Storm's	-	-	-	-	-	11 $\frac{3}{4}$	"
Wilson's	-	-	-	-	-	11 $\frac{1}{4}$	"
Snider's	-	-	-	-	-	11	"
Green's	-	-	-	-	-	10 $\frac{1}{2}$	"

The greatly superior penetration of Westley Richards' rifles, is due to the bullet being hardened, and to the heavier charge of powder, as noticed before. Any absolute difference in penetration will be shown by the results of velocities, to be communicated hereafter.

10. After a careful consideration of the various experiments which form the subject of this and their former report, the Committee are led to the following conclusions:—

(a.) That none of the altered arms, except, perhaps, that of Mr. Westley Richards, come up to the condition, as to accuracy of shooting, of the advertisement of 25th August 1864; namely, that the shooting of the converted arm shall not be inferior to that of the unaltered arm.

The reasons, however, for not accepting this system, will be found more fully stated below.

(b.) That, of the systems of conversion in which the ordinary mode of capping is employed, Storm's is, on the whole, superior to the others in its general efficiency. Its shooting qualities are nearly equal to those of the Enfield rifle, and there is no escape of gas at the breech.

It possesses also the merit that it can be loaded either at the muzzle or the breech, with the present service ammunition unaltered; but the use of this ammunition is extremely inconvenient in the latter case.

On the other hand, the special skin cartridge proposed for this arm can be used equally well with the Enfield M. L. rifle.

This latter ammunition is also wholly free from liability to leave ignited matter in the chamber.

This system, as applied to the conversion of the Enfield rifle, was fully reported on in April 1864, and various small defects then pointed out have been remedied in the arms now under trial.

The rapidity of fire of this system is twice that of the Enfield rifle.

The stocks of two of these rifles split during the experiment; one after 270 rounds, of which the first 200 were fired from the shoulder, and the remainder from fixed rests; and the other after 102 rounds, all from fixed rest.

The latter fracture, as pointed out in a letter 7/2/65, from the Superintendent Royal Small Arms Factories, containing a report on the subject by Mr. Gunner, Principal Inspector of Small Arms, appears to have been caused by the jarring of the arm in consequence of the bad position of the breech screw, the shock being more severe when the arm is fired from a fixed rest.

The Committee do not, therefore, consider these instances of sufficient importance to condemn the system, especially as the apparent cause of fracture is remediable by altering the position of the breech screw.

With a view to obtaining further information on this head, one of these rifles, No. 37, has been fired 1,000 times, and the stock is still sound.

(c.) The systems of Mr. Wilson and Mr. Green do not approach the required standard of accuracy.

Report, No. 3,266.
See Reports on
breech-loading
small arms.

The precision of these arms is seriously affected by the action of the wad in front of the bullet, a defect more marked as the firing progresses, and which has been noted in former reports upon these and other similar plans.

Escape of gas at the breech is effectively prevented in both these methods. The breech arrangements are strong, simple in construction, and easy to manipulate.

The inferior shooting and the weak condition of the stocks, however, preclude these two systems from being recommended for the conversion of the Enfield rifle.

(d.) The superior precision of Westley Richards' converted arms is attributable to the ammunition, which is well selected, and gives accurate shooting, provided the wad left in the barrel after each round is properly withdrawn by the hook on the plunger. The action of this hook is, however, uncertain, and in cases of failure, the wad has to be forced out by the succeeding charge, to the detriment of the precision of the arm, more especially as a portion of the cartridge paper adheres to the wad. When the hook acts properly, it is necessary to remove the wad and remains of cartridge case from it with the point of the finger, which retards the loading, and in some instances portions of the wad remain in the shoe in such a position as to prevent the breech being closed.

In the trials for rapidity, the hands of the men firing were cut and galled from working the lever and removing the wads from the hook.

Some of these defects might be overcome; but the principal objection to the adoption of this system of conversion, is the weakness of the stock.

Of the six arms submitted for trial, two stocks were found to be broken after firing 270 rounds, and three out of the remaining four were unsound and broken before they had been experimented with at all.

(e.) For the reasons stated in former report, Mr. Snider's is the only system adapted for a cartridge carrying its own ignition, that the Committee have been enabled to experiment with; Mr. Joslyn having failed to deliver his arms in time for the competition, and although they have since been received, viz. four on the 8th February, and two on the 4th March,—five out of the six rifles have been fitted to new and special stocks, which precludes them from being considered in connection with the question of converted arms. The sixth, fitted to its original stock, has been examined by the Committee, and is found to be so weakened by conversion as, in their opinion, to render it unserviceable. (*See Minute 14,755.*)

The two sets of rifles converted by Mr. Shepard, one on the capping system, the other on the system of a cartridge carrying its own ignition, were not tried, owing, in the first instance, to the impracticability of loading with the ammunition submitted, and, in the second, to imperfections in the arms themselves, and the dangerous nature of the cartridges, from excess of fulminate.

The breech apparatus on Mr. Snider's principle is sound and secure, the manipulation of the arm is easy, and there is no escape of gas at the breech. The shooting, however, is inferior to that of the Enfield rifle.

The Committee attribute this inferiority to defects in the cartridges, which admit of considerable improvement, and also to the possible injury to the barrel during the process of conversion, which requires its being raised to a red heat, in order to braze on the tubular hinge of the breech arrangement. This process Mr. Snider proposes to abandon in future conversions, and he has expressed his conviction of being able to bring forward, at an early date, an improved converted arm and perfected ammunition, being guided by the experience gained in the present trials.

11. The Committee gave the details of a comparison for rapidity of fire in their report of 6th February 1865, No. 3,621, Minute 14,414; since that date they have made a further experiment, in which the arms were loaded as they would be on service, the caps of those systems which required them being carried in the service pouch, and taken out for every round in the proper manner.

The

The times of 20 rounds are as follows :—

	<i>M.</i>	<i>Sec.</i>	
Snider's - - -	2	35	(One cartridge stuck for some seconds.)
Green's - - -	3	18	
Storm's - - -	4	23	
Wilson's - - -	4	34*	
Westley Richards' -	4	44	
Service Enfield -	7	20	Ramrod returned each time.

In respect to rapidity of fire, therefore, Mr. Snider's system stands first.

The Committee think that the results with Mr. Snider's system are encouraging, and they anticipate that he will be able to perfect his principle, and design an ammunition that will realise all the advantages afforded by this construction over those in which the cap is employed.

Looking to the obvious disadvantages which a breech-loader requiring a cap presents, when contrasted with one adapted for a cartridge carrying its own ignition, the Committee do not feel themselves justified in recommending the system of Mr. Montgomery Storm for the proposed conversion of the Enfield rifle, although it is the one which on other grounds has most nearly united all the qualifications desired in an arm to be obtained by conversion, and the Committee think that great credit is due to Mr. Storm for the degree of perfection to which he has brought it.

12. The Committee have now respectfully to submit their observations on the whole question.

The ultimate armament of the infantry with breech-loading weapons is determined upon. It would be done at a comparatively small cost by conversion, but it is now well known that the calibre, twist, and form of rifling of the Enfield is not the most favourable for fine shooting, and it is quite certain that no converted arms can possess the precision which will be easily attained in a new breech-loader of smaller gauge and quicker twist. Nor will the soldier be able to carry that increased quantity of ammunition which is so desirable without a reduction of calibre.

If under these circumstances, and notwithstanding the great outlay which will attend it, the Government adhere to the decision to introduce a new small bore breech-loader, as soon as there is a pattern ready, the Committee do not think it desirable to proceed at present with conversion on a large scale, but as there are purposes which may be answered by the converted arms, and as the experience to be acquired by the conversion may have some bearing on the larger question, they recommend that Mr. Snider be encouraged to pursue his experiments by the promise that on the production of a pattern arm which shall give satisfaction to the Committee, 1,000 muskets (or enough to arm one battalion) shall be placed in his hands for conversion.

The extension of the operation should depend upon the success of the experiments about to be entered upon with the new small bore weapons, the probability of their early introduction, and the reports of the battalion or battalions to which the converted arms may be issued.

There are certain circumstances in which, notwithstanding all the inconveniences which will attend the co-existence of unaltered arms, converted arms, and new arms, with their different ammunitions, it may still be desirable to proceed with the conversion, on the ground of its small cost, and of the less time in which the arms can be turned out, but the Committee do not feel in a position at present to recommend such a measure.

14 March 1865.

J. H. Lefroy,
Brigadier General, R.A., President.

* There were but 14 rounds of ammunition, which were fired in 3 minutes 12 seconds, giving a rate of 4 minutes 34 seconds for 20 rounds. On the same occasion Westley Richards fired 14 rounds in 3 minutes 23 seconds.

RESULTS OF EXPERIMENTS FOR PRECISION WITH THE COMPETITIVE CONVERTED ENFIELD RIFLES.

Target.	RIFLE.	Range.	Wind.	Observed Angle.	Rounds.	Hits.	Misses.	Trials.	Deviation.	Corrected Angle.	Thermometer.	Point aimed at.	Mean Impact.	Ammunition.	Shooter.	No. of Fixed Rest.	REMARKS.
1	Storm, No. 37	500	S.W. to S., squally and strong.	1 40	20	20	-	7	Feet. 2.13	1 24 0	44	12	1.98	Special	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
2	Storm, No. 38	"	"	1 40	20	20	-	7	2.91	1 15 36	"	12	3.44	ditto	Gunner Fordred	2	Ditto - - ditto - - ditto.
3	Storm, No. 37	"	S. W.	1 40	20	20	-	1	1.61	1 19 0	"	12	1.17	ditto	Serj. McCanlis -	1	Foul arm after 237 rounds.
4	Storm, No. 38	"	"	1 40	20	20	-	1	2.61	1 14 18	"	12	5.00	ditto	Gunner Fordred	2	Ditto - - 227 ditto.
5	Storm, No. 37	"	"	1 40	20	20	-	-	2.48	1 24 0	"	12	2.73	ditto	Serj. McCanlis -	1	Ditto - - 247 ditto.
6	Storm, No. 38	"	"	1 40	20	20	-	-	3.74	1 13 36	"	12	5.25	ditto	Gunner Fordred	2	Ditto - - 247 ditto.
7	Green, No. 43	"	W. by S.	1 50	20	20	-	3	2.35	1 26 48	"	6	6.24	ditto	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
8	Green, No. 44	"	"	1 50	20	20	-	3	3.31	1 28 42	"	6	5.50	ditto	Gunner Fordred	2	Ditto - - ditto - - ditto.
9	Green, No. 43	"	"	1 50	20	18	2	-	4.31	1 26 42	"	6	5.93	ditto	Serj. McCanlis -	1	Ditto after 233 rounds fired ditto.
10	Green, No. 44	"	"	1 50	20	20	-	-	2.14	1 30 30	"	6	5.85	ditto	Gunner Fordred	2	Ditto - 223 - ditto - ditto.
11	Green, No. 43	"	"	1 50	20	20	-	-	4.78	1 26 0	"	6	4.89	ditto	Serj. McCanlis -	1	Ditto - 243 - ditto - ditto.
12	Green, No. 44	"	"	1 50	20	20	-	-	4.65	1 29 30	"	6	6.02	ditto	Gunner Fordred	2	Ditto - 243 - ditto - ditto.
13	W. Richards, No. 1	"	W. to N.W., strong and squally.	1 40	20	20	-	5	1.87	1 16 0	"	0	15.69	ditto	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
14	W. Richards, No. 2	"	"	1 40	20	20	-	5	1.93	1 16 30	"	0	15.05	ditto	Gunner Fordred	2	Ditto - - ditto - - ditto.
15	W. Richards, No. 1	"	"	1 40	20	20	-	-	1.81	1 14 30	"	0	15.68	ditto	Serj. McCanlis -	1	Ditto, after 225 rounds - ditto.
16	W. Richards, No. 2	"	"	1 40	20	20	-	-	1.77	1 26 6	"	0	15.49	ditto	Gunner Fordred	2	Ditto - 225 ditto - ditto.
17	W. Richards, No. 1	"	"	1 40	20	20	-	-	1.62	1 16 42	"	0	14.87	ditto	Serj. McCanlis -	1	Ditto - 245 ditto - ditto.
18	W. Richards, No. 2	"	"	1 40	20	20	-	-	1.83	1 28 6	"	0	13.87	ditto	Gunner Fordred	2	Ditto - 245 ditto - ditto.
19	Snider, No. 25	"	"	1 50	20	20	-	5	3.82	1 31 24	"	0	15.16	ditto	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
20	Snider, No. 26	"	"	1 50	20	18	2	5	5.25	1 39 48	"	0	14.43	ditto	Gunner Fordred	2	Ditto - - ditto - - ditto.
21	Snider, No. 25	"	"	2 0	20	18	2	1	5.03	1 31 48	"	0	13.82	ditto	Serj. McCanlis -	1	Ditto - 225 - - ditto.
22	Snider, No. 26	"	"	2 0	20	17	3	1	6.29	1 40 0	"	0	15.16	ditto	Gunner Fordred	2	Ditto - - 225 - - ditto.
23	Snider, No. 25	"	"	2 0	20	18	2	-	4.51	1 34 24	"	0	14.10	ditto	Serj. McCanlis -	1	Ditto - - 245 - - ditto.
24	Snider, No. 26	"	"	2 0	20	20	-	-	5.08	1 40 54	"	0	14.11	ditto	Gunner Fordred	2	Ditto - - 245 - - ditto.
25	Enfield Rifle, 49	"	N. W.	1 40	20	20	-	2	1.53	1 13 12	37	6	5.35	Service	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
26	Enfield Rifle, 50	"	Light	1 40	20	20	-	2	1.50	1 11 48	"	6	5.34	ditto	Gunner Fordred	2	Ditto - - ditto - - ditto.
27	Enfield Rifle, 49	"	"	1 40	20	20	-	2	1.75	1 14 0	"	6	5.50	ditto	Serj. McCanlis -	1	Ditto - - 222 - - ditto.
28	Enfield Rifle, 50	"	"	1 40	20	20	-	2	1.62	1 12 36	"	6	5.66	ditto	Gunner Fordred	2	Ditto - - 222 - - ditto.
29	Enfield Rifle, 49	"	"	1 40	20	20	-	2	1.53	1 12 48	"	6	6.24	ditto	Serj. McCanlis -	1	Ditto - - 242 - - ditto.
30	Enfield Rifle, 50	"	"	1 40	20	20	-	2	1.93	1 15 48	"	6	5.76	ditto	Gunner Fordred	2	Ditto - - 242 - - ditto.
31	Wilson, No. 8	"	Calm	1 50	20	20	-	3	1.79	1 25 42	"	6	4.59	Special	Serj. McCanlis -	1	Foul arm, 200 rounds fired and exposed 3 nights.
32	Wilson, No. 8	"	"	1 52	20	20	-	-	2.18	1 27 6	"	6	4.56	ditto	Serj. McCanlis -	1	Ditto - - 223 - - ditto.
33	Wilson, No. 8	"	"	1 50	20	20	-	-	2.60	1 25 36	"	6	5.41	ditto	Serj. McCanlis -	1	Ditto - - 243 - - ditto.
34	W. Richards, No. 3	"	E. N. E.	1 40	20	20	-	5	1.69	1 22 24	36	12	1.83	ditto	Corporal Hassell	1	Clean arm.
35	Wilson, No. 9	"	Moderate	1 50	20	20	-	5	1.69	1 22 12	"	12	1.93	ditto	Gunner Fordred	2	Clean arm.

36	W. Richards, No. 3	"	"	"	1	1.74	1 24 24	36	12	0.66	ditto	Corporal Hassell	1	Dirty arm.
37	Wilson, No. 9	"	"	"	1	2.32	1 26 36	"	12	1.16	ditto	Gunner Fordred	2	Dirty arm.
38	Snider, No. 27	"	"	"	5	5.21	1 39 48	"	12	0.12	ditto	Corporal Hassell	1	Clean arm.
39	Storm, No. 39	"	"	"	5	1.74	1 21 48	"	12	0.32	ditto	Gunner Fordred	2	Clean arm.
40	Snider, No. 27	"	"	"	2	4.09	1 37 24	"	12	0.82	ditto	Corporal Hassell	1	Dirty arm.
41	Storm, No. 39	"	"	"	2	2.99	1 23 6	"	12	0.17	ditto	Gunner Fordred	2	Clean arm.
42	Green, No. 45	"	"	"	1	4.49	1 35 18	"	12	3.32	ditto	Corporal Hassell	1	Clean arm.
43	Green, No. 45	"	"	"	2	4.87	1 32 12	"	12	1.86	ditto	Corporal Hassell	1	Dirty arm.
44	Wilson, No. 10	"	"	"	4	3.00	1 32 24	30	12	0.27	ditto	Corporal Hassell	1	Clean arm.
45	W. Richards, No. 4	"	"	"	4	2.49	1 25 12	"	12	2.61	ditto	Gunner Fordred	2	Clean arm.
46	Wilson, No. 10	"	"	"	2	2.69	1 31 54	36	12	0.74	ditto	Corporal Hassell	1	Dirty arm.
47	W. Richards, No. 4	"	"	"	2	1.86	1 22 36	"	12	0.40	ditto	Gunner Fordred	2	Dirty arm.
48	Storm, No. 40	"	"	"	1	2.39	1 26 54	34	12	0.40	ditto	Corporal Hassell	1	Clean arm.
49	Snider, No. 28	"	"	"	3	6.09	1 44 42	"	12	0.68	ditto	Gunner Fordred	2	Clean arm.
50	Storm, No. 40	"	"	"	2	2.08	1 25 24	"	12	0.08	ditto	Corporal Hassell	1	Dirty arm.
51	Snider, No. 28	"	"	"	2	5.05	1 43 0	"	12	0.61	ditto	Gunner Fordred	2	Dirty arm.
52	Green, No. 46	"	"	"	4	5.86	1 26 48	36	12	1.42	ditto	Corporal Hassell	1	Clean arm.
53	Green, No. 46	"	"	"	2	5.81	1 31 24	"	12	0.69	ditto	Corporal Hassell	1	Dirty arm.
54	W. Richards, No. 5	"	"	"	3	1.59	1 22 42	84	12	0.10	ditto	Corporal Hassell	1	Clean arm.
55	Wilson, No. 11	"	"	"	2	1.86	1 29 24	"	12	2.13	ditto	Gunner Fordred	2	Clean arm.
56	W. Richards, No. 5	"	"	"	2	1.26	1 23 12	"	12	0.90	ditto	Corporal Hassell	1	Dirty arm.
57	Wilson, No. 11	"	"	"	2	2.25	1 28 36	"	12	1.55	ditto	Gunner Fordred	2	Dirty arm.
58	Snider, No. 29	"	"	"	5	4.78	1 45 36	"	12	3.06	ditto	Corporal Hassell	1	Clean arm.
59	Storm, No. 41	"	"	"	5	1.84	1 27 48	"	12	3.94	ditto	Gunner Fordred	2	Clean arm.
60	Snider, No. 29	"	"	"	1	2.95	1 38 48	"	12	2.95	ditto	Corporal Hassell	1	Dirty arm.
61	Storm, No. 41	"	"	"	1	1.48	1 23 24	34	12	0.20	ditto	Gunner Fordred	2	Dirty arm.
62	Green, No. 47	"	"	"	1	4.47	1 26 12	"	9	0.46	ditto	Gunner Fordred	2	Clean arm.
63	Green, No. 47	"	"	"	1	4.57	1 29 42	"	9	0.88	ditto	Gunner Fordred	2	Dirty arm.
64	Wilson, No. 12	"	"	"	2	3.47	1 28 24	31	6	5.98	ditto	Corporal Hassell	1	Clean arm.
65	W. Richards, No. 6	"	"	"	2	1.58	1 15 0	"	6	8.04	ditto	Gunner Fordred	2	Clean arm.
66	Wilson, No. 12	"	"	"	2	2.62	1 27 54	"	6	6.05	ditto	Corporal Hassell	1	Dirty arm.
67	W. Richards, No. 6	"	"	"	2	1.64	1 18 0	"	6	7.48	ditto	Gunner Fordred	2	Dirty arm.
68	Storm, No. 42	"	"	"	2	1.86	1 26 36	31	9	2.39	ditto	Corporal Hassell	1	Clean arm.
69	Snider, No. 30	"	"	"	2	5.07	1 40 42	"	9	0.74	ditto	Gunner Fordred	2	Clean arm.
70	Storm, No. 42	"	"	"	2	1.76	1 24 0	32	9	2.70	ditto	Corporal Hassell	1	Dirty arm.
71	Snider, No. 30	"	"	"	2	3.81	1 39 0	"	6	4.09	ditto	Gunner Fordred	2	Dirty arm.
72	Green, No. 47	"	"	"	2	3.40	1 32 18	30.5	6	6.62	ditto	Gunner Fordred	2	Clean arm.
73	Green, No. 47	"	"	"	1	3.92	1 35 48	35	6	6.98	ditto	Gunner Fordred	2	Dirty arm.
74	Green, No. 45	"	"	"	6	6.63	2 40 54	"	16	1.53	ditto	Corporal Hassell	1	Clean arm.
75	Storm, No. 39	"	"	"	6	3.98	2 31 30	"	16	1.29	ditto	Gunner Fordred	2	Clean arm.
76	Green, No. 45	"	"	"	4	6.87	2 33 6	"	12	3.29	ditto	Corporal Hassell	1	Dirty arm.
77	Storm, No. 39	"	"	"	5	5.45	2 29 30	"	12	0.18	ditto	Gunner Fordred	2	Dirty arm.
78	Snider, No. 27	"	"	"	4	4.45	2 37 0	37.5	12	0.53	ditto	Corporal Hassell	1	Clean arm.
79	Wilson, No. 9	"	"	"	4	5.11	2 43 12	37	12	3.71	ditto	Gunner Fordred	2	Clean arm.
80	Snider, No. 27	"	"	"	1	4.59	2 37 18	"	12	0.46	ditto	Corporal Hassell	1	Dirty arm.

RESULTS of Experiments for Precision with the competitive converted Enfield Rifles—continued.

Target.	RIFLE.	Range.	Wind.	Observed Angle.	Rounds.	Hits.	Misses.	Trials.	Deviation.	Corrected Angle.	Thermometer.	Point aimed at.	Mean Impact.	Ammunition.	Shooter.	No. of fixed Rest.	REMARKS.
81	Wilson, No. 9	800	S. E., very light.	2 50	20	19	1	1	Feet. 5.13	2 40 36	37	12	3.81	Special	Gunner Fordred	2	Dirty arm.
82	W. Richards, No. 3	"	"	2 40	20	20	-	2	2.98	2 35 42	35	12	1.14	ditto	Corporal Hassell	1	Clean arm.
83	W. Richards, No. 3	"	"	2 40	20	20	-	-	2.57	2 37 0	"	12	0.67	ditto	Corporal Hassell	1	Dirty arm.
84	Storm, No. 40	"	S. S. W., fresh	2 45	20	20	-	4	5.49	2 30 42	46	15	0.77	ditto	Corporal Hassell	1	Clean arm.
85	Storm, No. 46	"	"	2 50	20	17	3	4	7.32	2 37 42	"	12	1.35	ditto	Gunner Fordred	2	Clean arm.
86	Storm, No. 40	"	"	2 45	20	20	-	2	5.72	2 30 24	"	15	2.98	ditto	Corporal Hassell	1	Dirty arm.
87	Green, No. 46	"	"	2 50	20	16	4	2	7.56	2 33 12	"	12	1.53	ditto	Gunner Fordred	2	Dirty arm.
88	Wilson, No. 10	"	"	2 50	20	20	-	-	3.80	2 41 12	48	15	6.22	ditto	Corporal Hassell	1	Clean arm.
89	Snider, No. 28	"	"	2 40	20	20	-	-	4.52	2 31 42	48	14	1.57	ditto	Gunner Fordred	2	Clean arm.
90	Wilson, No. 10	"	"	2 50	20	19	1	-	4.15	2 40 48	46	15	5.95	ditto	Corporal Hassell	1	Dirty arm.
91	Snider, No. 28	"	"	2 40	20	20	-	2	4.06	2 30 0	"	14	2.49	ditto	Gunner Fordred	2	Dirty arm.
92	W. Richards, No. 4	"	S. S. W., fresh	2 40	20	20	-	-	2.54	2 29 0	44	15	2.88	ditto	Gunner Fordred	2	Clean arm.
93	W. Richards, No. 4	"	"	2 40	20	20	-	-	2.35	2 26 6	"	15	4.17	ditto	Gunner Fordred	2	Dirty arm.
94	Green, No. 47	"	W. S. W., light	2 40	20	20	-	5	7.70	2 27 18	43	3	10.92	ditto	Corporal Hassell	1	Clean arm.
95	Storm, No. 41	"	"	2 40	20	20	-	5	3.88	2 24 36	"	6	9.54	ditto	Gunner Fordred	2	Clean arm.
96	Green, No. 47	"	W. by S., light.	2 45	20	20	-	1	6.05	2 34 24	46	9	7.30	ditto	Corporal Hassell	1	Dirty arm.
97	Storm, No. 41	"	"	2 40	20	20	-	1	4.61	2 25 48	"	6	9.88	ditto	Gunner Fordred	2	Dirty arm.
98	Snider, No. 29	"	"	2 40	20	20	-	8	4.54	2 25 30	49	3	13.77	ditto	Corporal Hassell	1	Clean arm.
99	Wilson, No. 11	"	"	2 45	20	18	2	8	4.89	2 28 12	49	3	12.21	ditto	Gunner Fordred	2	Clean arm.
100	Snider, No. 29	"	"	2 40	20	20	-	1	4.37	2 29 30	50	3	13.13	ditto	Corporal Hassell	1	Dirty arm.
101	Wilson, No. 11	"	"	2 40	20	20	-	1	3.77	2 29 42	"	3	10.61	ditto	Gunner Fordred	2	Dirty arm.
102	W. Richards, No. 5	"	"	2 30	20	20	-	1	2.12	2 16 6	50	3	12.89	ditto	Corporal Hassell	1	Clean arm.
103	W. Richards, No. 5	"	"	2 30	20	20	-	10	2.75	2 16 0	"	3	11.96	ditto	Corporal Hassell	1	Dirty arm.
104	Storm, No. 42	"	S. W., strong	2 40	20	20	-	10	4.56	2 26 30	51	0	11.74	ditto	Corporal Hassell	1	Clean arm.
105	Green, No. 48	"	"	2 45	20	16	4	10	9.97	2 32 42	"	6	16.28	ditto	Gunner Fordred	2	Clean arm.
106	Storm, No. 42	"	"	Stock broke across bottom part of head, and could not complete the target.	20	16	4	10	9.97	2 32 42	"	6	16.28	ditto	Corporal Hassell	1	Dirty arm.
107	Green, No. 48	"	"	2 45	20	18	2	4	7.81	2 34 48	52	6	13.58	ditto	Gunner Fordred	2	Dirty arm.
108	Wilson, No. 12	"	"	2 45	20	20	-	2	4.91	2 35 36	50	3	9.84	ditto	Corporal Hassell	1	Clean arm.
109	Snider, No. 30	"	"	2 45	20	17	3	2	7.64	2 33 42	"	3	9.34	ditto	Gunner Fordred	2	Clean arm.
110	Wilson, No. 12	"	Fresh	2 45	20	20	-	2	3.07	2 32 24	"	3	8.99	ditto	Corporal Hassell	1	Dirty arm.
111	Snider, No. 30	"	"	2 45	20	19	1	2	4.79	2 29 24	"	3	8.76	ditto	Gunner Fordred	2	Dirty arm.
112	W. Richards, No. 6	"	"	2 30	19	19	-	2	2.59	2 24 24	"	3	10.13	ditto	Gunner Fordred	2	Clean arm.
113	W. Richards, No. 6	"	"	2 30	20	20	-	2	2.47	2 20 30	"	3	12.87	ditto	Gunner Fordred	2	Dirty arm.
114	W. Richards, No. 3	500	" by S., light, with rain.	1 45	20	17	3	2	4.00	1 24 24	49.5	0	5.62	Service bullet and service charge of powder.	Corporal Hassell	1	Clean arm.

OF ENFIELD RIFLES CONVERTED TO BREECH LOADERS.

17

115	Wilson, No. 9	W. by S, light, with rain.	1 45	20	20	-	2	2'06	1 18	6	49'5	9	3'87	ditto	Gunner Fordred	2	Clean arm.
116	W. Richards, No. 3	"	1 45	20	14	6	4	7'65	1 26 18	"	"	9	5'61	ditto	Corporal Hassell	1	Dirty arm.
117	Wilson, No. 9	"	1 45	20	19	1	4	3'04	1 21 24	"	"	9	3'20	ditto	Gunner Fordred	2	Dirty arm.
118	Storm, No. 39	"	1 45	20	20	-	-	1'98	1 20 18	"	"	8	2'64	ditto	Gunner Fordred	2	Clean arm.
119	Storm, No. 39	"	1 45	20	19	1	-	3'30	1 19 18	"	"	8	3'05	ditto	Gunner Fordred	2	Dirty arm.
120	Wilson, No. 10	"	1 50	20	20	-	3	2'52	1 27 18	37'5	"	9	0'35	ditto	Corporal Hassell	1	Clean arm.
121	Snider, No. 28	"	1 45	20	20	-	3	2'16	1 26 54	"	"	9	0'76	ditto	Gunner Fordred	1	Clean arm.
122	Wilson, No. 10	"	1 50	20	20	-	-	2'96	1 52 30	38	"	9	1'66	ditto	Corporal Hassell	2	Dirty arm.
123	Snider, No. 28	"	1 40	20	20	-	-	2'35	1 21 30	"	"	6	3'05	ditto	Gunner Fordred	2	Dirty arm.
124	Storm, No. 40	"	1 45	20	20	-	1	1'97	1 23 18	"	"	7	2'75	ditto	Corporal Hassell	1	Clean arm.
125	Green, No. 46	"	1 45	20	17	3	1	5'72	1 28 12	"	"	7	2'16	ditto	Gunner Fordred	2	Clean arm.
126	Storm, No. 40	"	1 45	20	20	-	2	2'76	1 26 12	"	"	6	2'91	ditto	Corporal Hassell	1	Dirty arm.
127	Green, No. 46	"	1 55	20	20	-	2	5'36	1 35 24	"	"	6	2'38	ditto	Gunner Fordred	2	Dirty arm.
128	Snider, No. 29	"	1 50	20	20	-	2	2'04	1 27 26	37	"	12	0'48	ditto	Corporal Hassell	1	Clean arm.
129	Wilson, No. 11	"	1 50	20	19	1	2	4'99	1 29 0	"	"	12	0'83	ditto	Gunner Fordred	1	Clean arm.
130	Snider, No. 29	"	1 50	20	20	-	-	1'92	1 24 18	"	"	12	0'15	ditto	Corporal Hassell	1	Dirty arm.
131	Wilson, No. 11	"	1 50	20	20	-	3	2'21	1 30 12	"	"	12	0'81	ditto	Gunner Fordred	2	Dirty arm.
132	Green, No. 47	"	1 50	20	19	1	3	4'87	1 26 48	"	"	12	0'13	ditto	Corporal Hassell	1	Clean arm.
133	Storm, No. 41	"	1 50	20	20	-	3	1'19	1 22 18	"	"	12	0'17	ditto	Gunner Fordred	2	Clean arm.
134	Green, No. 47	"	1 50	20	19	1	1	5'57	1 32 12	38	"	12	2'72	ditto	Corporal Hassell	1	Dirty arm.
135	Storm, No. 41	"	1 50	20	20	-	1	1'52	1 20 36	"	"	12	1'35	ditto	Gunner Fordred	2	Dirty arm.
136	Snider, No. 27	"	2 55	20	20	-	4	5'15	2 48 42	39	"	12	3'50	ditto	Corporal Hassell	1	Clean arm.
137	Storm, No. 39	"	2 55	20	19	1	4	4'43	2 42 0	"	"	12	2'56	ditto	Gunner Fordred	2	Clean arm.
138	Snider, No. 27	"	2 55	20	18	2	-	6'83	2 46 48	37	"	12	4'24	ditto	Corporal Hassell	1	Dirty arm.
139	Storm, No. 39	"	2 55	20	20	-	-	4'27	2 42 36	"	"	12	3'73	ditto	Gunner Fordred	2	Dirty arm.
140	Wilson, No. 9	"	3 0	20	18	2	3	4'41	2 49 30	35'5	"	18	5'48	ditto	Corporal Hassell	1	Clean arm.
141	Wilson, No. 10	"	3 0	20	16	4	3	6'67	2 57 6	"	"	18	8'23	ditto	Gunner Fordred	2	Clean arm.
142	Wilson, No. 9	"	3 0	20	20	-	-	4'16	2 47 48	"	"	18	1'08	ditto	Corporal Hassell	1	Dirty arm.
143	Wilson, No. 10	"	3 0	20	16	4	-	6'78	2 59 36	"	"	12	1'24	ditto	Gunner Fordred	2	Dirty arm.
144	Storm, No. 40	"	2 50	20	20	-	1	4'84	2 37 24	"	"	8	0'37	ditto	Corporal Hassell	1	Clean arm.
145	Snider, No. 28	"	3 0	20	17	3	1	7'97	2 51 51	"	"	12	0'34	ditto	Gunner Fordred	2	Clean arm.
146	Storm, No. 40	"	2 50	20	20	-	-	4'08	2 38 12	35	"	12	0'46	ditto	Corporal Hassell	1	Dirty arm.
147	Snider, No. 28	"	3 0	20	16	4	-	8'79	2 50 48	"	"	12	0'82	ditto	Gunner Fordred	2	Dirty arm.
148	Green, No. 45	"	3 0	20	16	4	-	7'72	2 46 36	"	"	12	4'65	ditto	Corporal Hassell	1	Clean arm.
149	Green, No. 46	"	3 0	20	15	5	-	8'80	2 50 42	"	"	12	5'63	ditto	Gunner Fordred	2	Clean arm.
150	Green, No. 45	"	3 0	20	15	5	-	9'08	2 41 18	"	"	12	0'20	ditto	Corporal Hassell	1	Dirty arm.
151	Green, No. 46	"	3 0	20	15	5	-	9'85	2 51 30	"	"	18	2'58	ditto	Gunner Fordred	2	Dirty arm.
148A	Green, No. 45	"	3 0	20	17	3	5	6'94	2 47 6	36	"	21	10'66	ditto	Corporal Hassell	1	Clean arm.
149A	Green, No. 46	"	3 0	20	16	4	5	8'31	2 47 24	"	"	21	9'00	ditto	Gunner Fordred	2	Clean arm.
150A	Green, No. 45	"	3 0	20	16	4	3	8'07	2 49 48	"	"	21	7'26	ditto	Corporal Hassell	1	Dirty arm.
151A	Green, No. 46	"	3 0	20	15	5	3	9'70	2 51 30	"	"	21	9'23	ditto	Gunner Fordred	2	Dirty arm.

ENFIELD RIFLES.

COPY of the REPORT of the ORDNANCE SELECT
COMMITTEE on the TRIALS at *Woolwich* of
ENFIELD RIFLES converted to BREECH-LOADERS.

(*Mr. Cox.*)

*Ordered, by The House of Commons, to be Printed,
4 July 1865.*

ARMY AND MILITIA (FLOGGING AND MARKING).

RETURN to an Address of the Honourable The House of Commons,
dated 22 July 1864 ;—for,

“ RETURNS of the Number of MEN FLOGGED in the ARMY and MILITIA of *Great Britain and Ireland*, in the Year 1862 ; specifying the Offence, the Regiment, the Place of Station, whether at Home, in India, or the Colonies ; the Time, the Sentence, and the Number of Lashes inflicted on each Person : ”

“ And, of the Number of MEN MARKED with the Letter D, or with the Letters B C, during the same Year.”

War Office,
20 February 1865. }

HARTINGTON.

RETURNS of the Number of MEN FLOGGED in the ARMY and MILITIA of *Great Britain and Ireland*, in the Year 1862 ; specifying the Offence, the Regiment, the Place of Station, whether at Home, in India, or the Colonies ; the Time, the Sentence, and the Number of Lashes inflicted on each Person : and, of the Number of MEN MARKED with the Letter D, or with the Letters B C, during the same Year.

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
ARMY :				1862 :	Lashes.	
1st Dragoon Guards {	1	Insubordination - - -	Bangalore - -	16 April -	50	50
	1	- ditto - - -	- ditto - -	25 April -	50	50
4th " " {	1	Desertion - - -	Dublin - -	25 Jan. -	50	50
	1	Violence to superiors - -	Newbridge - -	2 Sept. -	50	50
	1	Making away with necessaries	Dublin - -	1 Dec. -	50	50
5th " " -	1	Disgraceful conduct - -	Norwich - -	26 Feb. -	50	50
4th Hussars - {	1	- ditto - - -	Fermoy - -	23 July -	50	50
	1	Insubordination - - -	Curragh - -	8 Sept. -	50	50
7th " " - {	1	Absence - - -	Umballa - -	9 Oct. -	50	50
	1	- ditto - - -	- ditto - -	8 March -	50	50
9th Lancers -	1	Desertion - - -	Aldershot - -	6 June -	50	50
10th Hussars - {	1	Disgraceful conduct - -	York - -	8 Jan. -	50	50
	1	Desertion - - -	- ditto - -	11 Jan. -	50	50
	1	Insubordination - - -	- ditto - -	5 Sept. -	50	50
11th " " -	1	Striking a serjeant - -	Dublin - -	22 March -	50	50
13th " " -	1	Disgraceful conduct - -	Aldershot - -	19 July -	50	50
14th " " -	1	Violence to superiors - -	Manchester - -	26 May -	50	50
16th Lancers - {	1	Desertion - - -	Aldershot - -	Flogged in Mi- litary Prison.	50	25
	1	Making away with necessaries	Sheffield -	6 June -	50	50
17th " " - {	1	Stealing - - -	Secunderabad -	1 Dec. -	50	50
	1	Insubordination - - -	- ditto - -	5 Dec. -	50	50
20th Hussars -	1	Drunk when a prisoner - -	Dadree - -	1 Dec. -	25	25
Royal Artillery - {	1	Disgraceful conduct - -	Woolwich - -	13 March -	50	50
	1	Insubordination - - -	- ditto - -	1 Aug. -	50	50
	1	- ditto - - -	Aldershot - -	20 Sept. -	50	25
	1	- ditto - - -	- ditto - -	1 Nov. -	50	50
	1	Desertion - - -	Woolwich - -	10 Dec. -	50	50
	1	Not known - - -	Bengal - -	Not known -	Not known.	
	1	Insubordination - - -	Woolwich - -	22 Sept. -	50	50
	1	Striking superior - -	Gibraltar - -	8 Feb. -	50	50
	1	Drunk on duty - - -	- ditto - -	8 Feb. -	50	50
	1	Insubordination - - -	- ditto - -	9 April -	50	20

RETURN OF THE NUMBER OF MEN FLOGGED IN

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
<i>ARMY—continued.</i>				1862:	<i>Lashes.</i>	
Royal Artillery	1	Striking superior	Gibraltar	16 Oct.	50	50
	1	Disgraceful conduct	ditto	27 Dec.	50	50
	1	Insubordination	ditto	3 Jan.	50	50
	1	Disgraceful conduct	New Zealand	27 March	50	50
	1	Insubordination	Canada	Not known	50	25
	1	ditto	Portsmouth	25 March	50	50
	1	ditto	ditto	22 Sept.	50	50
	1	ditto	Halifax	10 Feb.	50	50
	1	ditto	ditto	13 June	50	50
	1	Disgraceful conduct	Ballincollig	14 July	50	50
	1	Theft	Athlone	12 Nov.	50	50
	1	Desertion	Devonport	5 March	50	50
	1	ditto	ditto	22 Sept.	50	50
	1	ditto	Halifax	17 Jan.	50	50
	1	Insubordination	Kingston	2 May	50	50
	1	Habitual drunkenness	Seetapore	10 Jan.	50	50
	1	Theft	Mauritius	13 Jan.	50	50
	1	Desertion	Woolwich	6 May	50	50
	1	Disgraceful conduct	Shanghai	10 June	50	50
	1	ditto	ditto	12 June	50	50
	1	ditto	ditto	12 June	50	50
	1	ditto	ditto	13 June	50	50
	1	Insubordination	Kamptee	13 Aug.	50	50
	1	ditto	On board ship "Mauritius."	Not known	50	50
	1	ditto	Kamptee	28 July	50	50
	1	ditto	ditto	19 Aug.	50	50
	1	Disgraceful conduct	Bellary	15 Oct.	50	50
	1	ditto	ditto	31 May	50	50
	1	Desertion	ditto	5 Nov.	50	50
	1	Insubordination	Woolwich	29 Sept.	50	50
	1	ditto	ditto	15 Dec.	50	50
	1	Disgraceful conduct	ditto	15 Dec.	50	50
Military Train	1	Desertion	ditto	19 Jan.	50	50
	1	Making away with necessaries	ditto	15 April	50	50
	1	ditto	Aldershot	12 Sept.	50	50
	1	ditto	Woolwich	7 June	50	50
	1	ditto	ditto	15 Aug.	50	50
	1	Insubordination	Curragh	15 Oct.	50	50
Grenadier Guards	1	ditto	ditto	18 Dec.	50	50
	1	Disobedience and violence	Wellington barracks	5 Sept.	50	50
Coldstream Guards	1	Insubordination	London	26 April	50	25
	1	Disgusting language	Windsor	5 Nov.	50	50
Scots Fusilier Guards	1	Desertion	London	21 Nov.	50	50
	1	Insubordination	Montreal	11 March	50	50
	1	ditto	ditto	21 March	50	50
	1	Desertion	Woodstock, Canada	5 Feb.	50	50
1st Foot	1	Disgraceful conduct	Manchester	5 Feb.	50	50
	1	Insubordination	Aldershot	9 Oct.	50	50
	1	ditto	ditto	9 Oct.	50	50
	1	ditto	Colchester	17 Sept.	50	25
2d "	1	ditto	Portsmouth	3 Feb.	50	50
3d "	1	Violence to superior	London	4 Jan.	50	50
	1	ditto	ditto	4 Jan.	50	50
	1	ditto	ditto	2 April	50	50
	1	ditto	ditto	22 June	50	50
	1	Insubordination	Woolwich	8 Dec.	25	25
	1	Disgraceful conduct	ditto	15 Dec.	50	50
	1	Desertion	Limerick	18 Dec.	50	50
4th "	1	Violence	Kurrachee	29 Jan.	50	50
	1	Felony	ditto	4 July	50	50
	1	Disgraceful conduct	Hyderabad	13 Sept.	25	25
	1	Insubordination	Corfu	Sept.	50	50
	1	ditto	Cephalonia	July	50	50
5th "	1	Disgraceful conduct	Zante	June	50	50
	1	Insubordination	Colchester	17 Sept.	50	25

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
ARMY—continued.				1862:	Lashes.	
6th Foot - - -	1	Insubordination - - -	Gibraltar - - -	17 May -	50	50
	1	Disgraceful conduct - - -	Corfu - - -	24 Nov. -	50	50
7th „ - - -	1	Violence to superior - - -	Ferozapore - - -	19 May -	50	50
	1	Insubordination - - -	Gibraltar - - -	6 Jan. -	50	50
	1	Striking a superior - - -	- ditto - - -	26 Feb. -	50	50
	1	- ditto - - -	- ditto - - -	9 Aug. -	50	50
	1	Theft - - -	- ditto - - -	12 Nov. -	25	25
	1	Insubordination - - -	- ditto - - -	26 Nov. -	50	50
	1	- ditto - - -	- ditto - - -	31 Oct. -	50	50
8th „ - - -	1	- ditto - - -	Aldershot - - -	13 Feb. -	50	24
	1	Disgraceful conduct - - -	- ditto - - -	28 Aug. -	50	50
	1	- ditto - - -	- ditto - - -	30 Aug. -	50	25
	1	Disobedience - - -	Gibraltar - - -	8 Feb. -	50	50
	1	Making away with necessaries - - -	- ditto - - -	12 Feb. -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	30 June -	50	50
	1	- ditto - - -	- ditto - - -	11 Nov. -	50	50
	1	Insubordination - - -	- ditto - - -	24 Dec. -	50	50
9th „ - - -	1	Disgraceful conduct - - -	- ditto - - -	29 Dec. -	50	50
	1	Insubordination - - -	Corfu - - -	2 June -	50	50
	1	- ditto - - -	- ditto - - -	25 June -	50	50
	1	Mutinous conduct - - -	- ditto - - -	1 Aug. -	25	25
10th „ - - -	1	Violence to superior - - -	- ditto - - -	11 Aug. -	50	50
	1	Disgraceful conduct - - -	Cape of Good Hope -	19 June -	50	50
	1	- ditto - - -	- ditto - - -	24 Dec. -	50	50
11th „ - - -	1	Insubordination - - -	Dublin - - -	15 July -	50	50
	1	Making away with necessaries - - -	Curragh - - -	1 July -	50	50
12th „ - - -	1	Disgraceful conduct - - -	New Zealand - - -	11 June -	50	50
	1	Insubordination - - -	- ditto - - -	11 July -	50	50
	1	Disgraceful conduct - - -	Sydney, N. S. W. -	5 Dec. -	50	50
13th „ - - -	1	Habitual drunkenness - - -	Gwalior - - -	31 July -	50	50
	1	Desertion - - -	Cape of Good Hope -	22 May -	50	50
	1	Insubordination - - -	- ditto - - -	7 Sept. -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	10 Aug. -	50	50
14th „ - - -	1	Insubordination - - -	Jamaica - - -	10 July -	50	33
	1	- ditto - - -	Barbadoes - - -	19 Oct. -	50	50
	1	Absence - - -	Jamaica - - -	26 Nov. -	50	50
	1	Desertion - - -	New Zealand - - -	26 March -	50	50
	1	Insubordination - - -	- ditto - - -	17 April -	50	50
	1	- ditto - - -	- ditto - - -	29 May -	50	50
	1	Desertion - - -	- ditto - - -	2 June -	50	50
	1	- ditto - - -	- ditto - - -	21 June -	50	50
	1	Drunk on duty - - -	- ditto - - -	14 July -	50	50
	1	Insubordination - - -	- ditto - - -	27 Aug. -	50	50
	1	Desertion - - -	- ditto - - -	29 Oct. -	50	50
	1	Insubordination - - -	- ditto - - -	14 Nov. -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	26 Nov. -	50	50
15th „ - - -	1	Insubordination - - -	Fermoy - - -	15 Aug. -	50	50
	1	Making away with necessaries - - -	Malta - - -	19 April -	50	50
	1	- ditto - ditto - - -	- ditto - - -	15 May -	50	50
	1	Disgraceful conduct - - -	Pembroke - - -	10 Nov. -	50	50
	1	Insubordination - - -	- ditto - - -	21 May -	50	50
	1	Making away with necessaries - - -	Malta - - -	30 June -	50	50
	1	- ditto - ditto - - -	- ditto - - -	2 July -	50	50
16th „ - - -	1	- ditto - ditto - - -	- ditto - - -	5 Nov. -	50	50
	1	Insubordination - - -	Templemore - - -	7 April -	50	50
	1	- ditto - - -	- ditto - - -	20 Nov. -	50	50
	1	- ditto - - -	Halifax - - -	21 Jan. -	50	50
	1	- ditto - - -	- ditto - - -	21 Aug. -	50	50
17th „ - - -	1	- ditto - - -	- ditto - - -	24 Sept. -	50	50
	1	Disgraceful conduct - - -	Quebec - - -	10 Feb. -	50	50
18th „ - - -	1	- ditto - - -	- ditto - - -	4 April -	50	25
	1	Insubordination - - -	Secunderabad - - -	28 March -	25	25
	1	- ditto - - -	- ditto - - -	11 April -	50	50
	1	Violence to superior - - -	- ditto - - -	17 Oct. -	50	50
	1	- ditto - - -	- ditto - - -	29 Oct. -	50	50

RETURN OF THE NUMBER OF MEN FLOGGED IN

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
ARMY—continued.				1862:	Lashes.	
19th Foot	1	Insubordination - - -	Curragh - - -	24 Jan. -	50	50
	1	- ditto - - -	- ditto - - -	9 April -	50	50
	1	- ditto - - -	- ditto - - -	6 May -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	25 Aug. -	50	50
	1	- ditto - - -	- ditto - - -	26 Sept. -	50	50
	1	Striking superior - - -	Newry - - -	18 Dec. -	50	50
	1	Insubordination - - -	- ditto - - -	18 Dec. -	50	50
	1	Disgraceful conduct - - -	Curragh - - -	25 Aug. -	50	50
	1	Drunk on duty - - -	Meean Meer - - -	3 Jan. -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	26 Feb. -	50	50
	1	Drunk on duty - - -	- ditto - - -	11 June -	50	50
	1	Absence - - -	- ditto - - -	19 July -	50	50
20th "	1	Desertion - - -	Benares - - -	- Sept. -	50	50
21st "	1	Making away with necessaries	Barbadoes - - -	15 March -	50	50
	1	Disobedience - - -	- ditto - - -	15 March -	50	50
	1	Insubordination - - -	- ditto - - -	25 Oct. -	50	50
	1	- ditto - - -	- ditto - - -	31 Oct. -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	9 Dec. -	50	50
22d "	1	Making away with necessaries	Malta - - -	13 May -	50	50
	1	Theft - - -	- ditto - - -	8 July -	50	50
	1	Making away with necessaries	- ditto - - -	23 July -	50	50
	1	- ditto - ditto - - -	- ditto - - -	21 Oct. -	50	50
	1	- ditto - ditto - - -	- ditto - - -	2 Dec. -	50	50
	1	- ditto - ditto - - -	- ditto - - -	13 Dec. -	50	50
23d "	1	Insubordination - - -	Fizzabad - - -	2 April -	50	50
	1	Making away with necessaries	Malta - - -	26 March -	50	50
	1	Insubordination - - -	Walmer - - -	1 March -	50	50
	1	Making away with necessaries	Malta - - -	20 June -	50	50
24th "	1	Insubordination - - -	Aldershot - - -	18 Nov. -	50	50
25th "	1	- ditto - - -	Edinburgh - - -	25 July -	50	50
26th "	1	Violence to superior - - -	Aldershot - - -	24 Dec. -	50	50
28th "	1	Making away with necessaries	Nusseerabad - - -	29 Oct. -	50	50
31st "	1	Disgraceful conduct - - -	Shanghai - - -	10 Nov. -	50	50
	1	- ditto - - -	Tien Tsin - - -	14 April -	50	50
	1	- ditto - - -	Shanghai - - -	27 June -	50	50
	1	- ditto - - -	South Taku Fort -	28 May -	50	50
	1	- ditto - - -	Shanghai - - -	4 June -	50	50
	1	- ditto - - -	- ditto - - -	4 June -	50	50
	1	- ditto - - -	- ditto - - -	4 June -	50	50
	1	- ditto - - -	- ditto - - -	4 June -	50	50
	1	Habitual drunkenness - - -	Tien Tsin - - -	14 April -	25	19
	1	- ditto - - -	Shanghai - - -	4 June -	50	50
	1	Violence - - -	- ditto - - -	12 June -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	18 June -	50	50
	1	Drunk on duty - - -	- ditto - - -	18 June -	50	50
	1	- ditto - - -	- ditto - - -	18 June -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	12 June -	50	50
	1	Drunk on duty - - -	- ditto - - -	12 June -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	26 June -	50	50
	1	- ditto - - -	- ditto - - -	5 July -	50	50
	1	Miscellaneous - - -	- ditto - - -	8 July -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	14 July -	50	50
	1	- ditto - - -	- ditto - - -	19 July -	50	50
	1	Violence - - -	- ditto - - -	28 July -	50	50
	1	Drunk on duty - - -	- ditto - - -	15 Aug. -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	15 Aug. -	50	50
	1	- ditto - - -	- ditto - - -	24 Sept. -	50	50
	1	- ditto - - -	- ditto - - -	2 Oct. -	50	50
	1	Miscellaneous - - -	- ditto - - -	11 Dec. -	50	50
	1	Disgraceful conduct - - -	- ditto - - -	16 Dec. -	50	50
	1	Miscellaneous - - -	- ditto - - -	7 June -	25	25
	1	Drunk on duty - - -	- ditto - - -	20 June -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	20 June -	50	50
	1	Drunk on duty - - -	- ditto - - -	12 July -	50	50
	1	Habitual drunkenness - - -	- ditto - - -	25 July -	50	50

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
ARMY—continued.				1862 :	Lashes.	
32d Foot - - -	1	Insubordination - - -	Plymouth - -	17 Feb. -	50	50
	1	Making away with necessaries	Military Prison, Devonport.	25 March -	50	25
	1	- ditto - - ditto - -	Plymouth - -	19 May -	50	50
34th " - - -	1	Violence to superior - -	Roy Bareilly -	30 July -	50	50
38th " - - -	1	Disobedience - - -	Darjeeling - -	25 Nov. -	50	50
39th " - - -	1	Disgraceful conduct - -	Bermuda - -	12 May -	50	50
40th " - - -	1	- ditto - - -	New Zealand -	28 March -	50	50
	1	- ditto - - -	- ditto - -	28 March -	50	50
	1	Violence - - -	- ditto - -	2 July -	50	50
	1	Disgraceful conduct - -	- ditto - -	21 July -	50	50
	1	- ditto - - -	- ditto - -	7 Aug. -	50	50
	1	- ditto - - -	- ditto - -	20 Dec. -	50	50
41st " - - -	1	Disobedience - - -	Sheffield - -	17 April -	50	50
	1	Desertion - - -	- ditto - -	1 May -	25	25
	1	Violence to superior - -	Tynemouth - -	31 May -	50	50
	1	Making away with necessaries	Sheffield - -	25 July -	50	50
	1	Desertion - - -	Newcastle-on-Tyne	21 Nov. -	50	50
42d " - - -	1	- ditto - - -	Stirling - -	14 Nov. -	50	50
	1	Insubordination - - -	Umballa - -	22 Feb. -	50	50
43d " - - -	1	Disobedience - - -	Ranee Gunge -	25 Sept. -	50	50
44th " - - -	1	Absence - - -	Belgaum - -	14 April -	50	40
50th " - - -	1	Disgraceful conduct - -	Ceylon - -	27 Dec. -	50	50
51st " - - -	1	Disobedience of orders - -	Rawul Pinde -	18 Jan. -	50	50
	1	Violence to superior - -	- ditto - -	30 Sept. -	50	50
52d " - - -	1	Insubordination - - -	Jhansi - -	21 April -	50	50
53d " - - -	1	- ditto - - -	Aldershot - -	22 Jan. -	50	50
	1	- ditto - - -	Portsmouth - -	18 Oct. -	50	50
54th " - - -	1	Making away with necessaries	Mooraudabad -	15 Jan. -	50	50
	1	Disobedience - - -	Lucknow - -	3 Feb. -	50	50
	1	Insubordination - - -	Roorkee - -	3 March -	50	50
	1	- ditto - - -	Mooraudabad -	22 May -	50	50
	1	- ditto - - -	- ditto - -	7 June -	50	50
55th " - - -	1	Disgraceful conduct - -	Alderney - -	9 Jan. -	50	50
	1	- ditto - - -	- ditto - -	9 Jan. -	50	50
	1	- ditto - - -	Portsmouth - -	6 Dec. -	50	50
56th " - - -	1	- ditto - - -	Bombay - -	25 Jan. -	50	50
57th " - - -	1	Insubordination - - -	New Zealand -	22 Aug. -	50	50
	1	Habitual drunkenness - -	- ditto - -	24 Sept. -	50	50
	1	Insubordination - - -	New Plymouth -	19 Nov. -	50	50
58th " - - -	1	Outrageous conduct - -	Tynemouth - -	17 Jan. -	50	50
60th " - - -	1	Insubordination - - -	Aldershot - -	12 May -	50	50
	1	Disobedience - - -	Winchester - -	21 Aug. -	50	50
	1	Insubordination - - -	- ditto - -	3 Jan. -	50	50
	1	- ditto - - -	- ditto - -	3 Jan. -	50	50
	1	Desertion - - -	- ditto - -	17 Feb. -	50	50
61st " - - -	1	Insubordination - - -	Aldershot - -	19 Dec. -	50	50
62d " - - -	1	Disgraceful conduct - -	Kingston, C.W. -	29 Dec. -	50	50
63d " - - -	1	Desertion - - -	Belfast - -	17 June -	50	50
	1	- ditto - - -	- ditto - -	1 Aug. -	50	25
	1	- ditto - - -	- ditto - -	29 Nov. -	50	50
64th " - - -	1	Insubordination - - -	Dover - -	22 March -	50	50

RETURN OF THE NUMBER OF MEN FLOGGED IN

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
<i>ARMY—continued.</i>				1862:	<i>Lashes.</i>	
65th Foot	1	Insubordination	Birr	15 Jan.	50	25
	1	- ditto	- ditto	13 Feb.	50	50
	1	Disgraceful conduct	- ditto	26 May	50	50
	1	Habitual drunkenness	Kirr's Farm	16 April	50	50
	1	Disgraceful conduct	New Zealand	27 Nov.	50	39
66th "	1	Desertion	Auckland	3 Feb.	50	50
	1	Disgraceful conduct	Cannanore	18 Aug.	50	50
	1	{ Disgraceful conduct, making away with necessities, and disobedience	{ ditto	2 Dec.	50	50
	1	Insubordination	Tien Tsin	17 March	50	50
	1	Habitual drunkenness	- ditto	24 April	50	50
67th "	1	Violence	- ditto	2 May	50	50
	1	Drunk on guard	- ditto	7 May	50	50
	1	- ditto	Taku	6 June	50	50
	1	Habitual drunkenness	- ditto	6 June	50	50
	1	Drunk on guard	Shanghai	4 June	50	50
	1	Absence	- ditto	19 June	50	50
	1	Habitual drunkenness	- ditto	19 June	50	50
	1	Drunk on guard	Na Jou	24 June	50	50
	1	Habitual drunkenness	- ditto	24 June	50	50
	1	- ditto	Taku	27 June	50	50
	1	- ditto	- ditto	27 June	50	50
	1	Drunk on guard	Shanghai	9 July	50	50
	1	Habitual drunkenness	- ditto	23 July	50	50
	1	- ditto	Na Jou	29 July	50	50
	1	- ditto	Shanghai	5 Aug.	50	50
	1	- ditto	- ditto	25 Aug.	50	50
	1	- ditto	- ditto	6 Sept.	50	50
	1	Drunk on guard	- ditto	23 Sept.	50	50
	1	Disgraceful conduct	Taku	9 Oct.	50	50
	1	Habitual drunkenness	Shanghai	4 Nov.	50	50
	1	- ditto	- ditto	5 Nov.	50	50
	1	- ditto	- ditto	27 Nov.	50	50
	1	Disgraceful conduct	- ditto	22 Nov.	50	50
	1	Habitual drunkenness	- ditto	24 Dec.	50	50
68th "	1	Disgraceful conduct	Rangoon	18 May	50	50
	1	- ditto	- ditto	18 May	50	50
69th "	1	Disobedience	Tongho	7 Jan.	50	50
	1	Insubordination	Madras	5 Aug.	50	50
	1	- ditto	Wellington	15 Oct.	50	50
70th "	1	- ditto	Wellington, Madras	28 Sept.	50	50
	1	- ditto	New Zealand	22 Oct.	50	50
	1	- ditto	- ditto	2 March	50	50
71st "	1	Desertion	Stirling	6 March	50	50
	1	- ditto	- ditto	26 May	50	50
	1	- ditto	- ditto	27 June	50	50
	1	Insubordination	Sealkote	1 April	50	50
72d "	1	Drunk on duty	- ditto	28 April	25	25
	1	Desertion	Aberdeen	12 Nov.	50	50
74th "	1	- ditto	- ditto	1 Sept.	50	50
	1	- ditto	- ditto	3 May	50	50
	1	Disgraceful conduct	- ditto	27 Nov.	50	50
75th "	1	Violence to superiors	Devonport	21 July	50	50
	1	- ditto	- ditto	21 July	50	50
	1	- ditto	- ditto	10 Aug.	50	50
76th "	1	Desertion	Glasgow	17 Jan.	50	50
77th "	1	Insubordination	Dekan	28 Nov.	50	50
79th "	1	Desertion	Stirling	3 Feb.	50	50
	1	- ditto	- ditto	9 April	50	50
	1	- ditto	- ditto	14 April	50	50
81st "	1	Disgraceful conduct	Jullunder	21 Aug.	50	50
82d "	1	- ditto	Delhi	19 March	50	50
92d "	1	Desertion	Stirling	12 Sept.	50	50

REGIMENT.	Number of Persons Flogged.	OFFENCE.	STATION.	DATE.	Sentence.	Number of Lashes Inflicted.
ARMY—continued.				1862 :	Lashes.	
93d Foot - - -	1	Desertion - - -	Aberdeen - -	19 Feb. -	50	50
98th „ - - -	1	Insubordination - - -	Rawul Pinde -	2 May -	50	50
99th „ - - -	1	Violence - - -	Hong Kong -	6 June -	50	50
	1	Threatening language - - -	- ditto - -	25 June -	25	25
	1	Violence - - -	- ditto - -	13 Dec. -	50	50
100th „ - - -	1	Insubordination - - -	Parkhurst - -	19 April -	50	50
	1	Desertion - - -	- ditto - -	12 June -	50	50
	1	Disgraceful conduct - - -	Gibraltar - -	26 June -	50	50
	1	- ditto - - -	- ditto - -	26 June -	50	50
102d „ - - -	1	Insubordination - - -	Rangoon - -	17 July -	25	25
	1	Making away with necessaries - - -	- ditto - -	5 Aug. -	50	50
	1	Desertion - - -	- ditto - -	31 Oct. -	50	50
	1	- ditto - - -	- ditto - -	1 Nov. -	50	50
	1	- ditto - - -	- ditto - -	25 Nov. -	50	50
105th „ - - -	1	Disobedience - - -	Trichinopoly -	25 Oct. -	50	50
109th „ - - -	1	Disgraceful conduct - - -	Kurrachee - -	17 Sept. -	50	50
Rifle Brigade -	1	- ditto - - -	Winchester - -	3 Jan. -	50	50
	1	Desertion - - -	- ditto - -	3 Nov. -	50	50
	1	- ditto - - -	- ditto - -	3 Nov. -	50	50
	1	Absence - - -	Hamilton, C. W. -	10 April -	50	25
	1	Making away with necessaries - - -	Subathoo - -	11 Aug. -	50	50
	1	- ditto - - -	- ditto - -	11 Aug. -	50	50
	1	Disgraceful conduct - - -	Malta - -	11 June -	50	50
	1	- ditto - - -	- ditto - -	11 June -	50	50
1. W. I. R. - - -	1	Desertion - - -	- ditto - -	18 July -	50	50
	1	Desertion - - -	Barbadoes - -	5 Dec. -	50	50
2. W. I. R. - - -	1	- ditto - - -	Sierra Leone -	31 July -	50	50
3. W. I. R. - - -	1	Violence - - -	Honduras - -	30 Oct. -	50	50
	1	Disgraceful conduct - - -	Jamaica - -	24 Oct. -	50	50
Cape Corps - - -	1	Desertion - - -	Cape of Good Hope -	1 Feb. -	50	50
	1	- ditto - - -	- ditto - -	21 April -	50	25
	1	- ditto - - -	- ditto - -	24 Nov. -	50	50
	1	- ditto - - -	- ditto - -	17 Sept. -	50	50
St. Helena Regiment -	1	Insubordination - - -	St. Helena - -	9 Dec. -	50	50
Gold Coast Artillery Corps - - -	1	Desertion - - -	Cape Coast Castle -	7 Aug. -	50	50
	1	- ditto - - -	Cape Coast - -	9 Aug. -	50	50
	1	Insubordination - - -	- ditto - -	23 Dec. -	50	50
	1	Desertion - - -	- ditto - -	8 Jan. -	50	50
	1	- ditto - - -	- ditto - -	15 Jan. -	50	50
379					18,000	18,180

MILITIA - - - - - No Case.

Number of Men marked with Letter D - - - - - 1,492

Number of Men marked with Letters B C - - - - - 37

Horse Guards, }
10 February 1865. }J. Yorke Scarlett,
A. G.

ARMY AND MILITIA (FLOGGING AND MARKING).

RETURNS of the Number of Men Flogged in the Army and Militia of *Great Britain and Ireland*, in the Year 1862; specifying the Offence, the Regiment, the Place of Station, whether at Home, in India, or the Colonies; the Time, the Sentence, and the Number of Lashes Inflicted on each Person: and, of the Number of Men Marked with the Letter D, or with the Letters BC, during the same Year.

(*Mr. Cox.*)

Ordered, by The House of Commons, to be Printed,
22 February 1865.

ARMY (GARDEN GROUND).

RETURN to an Address of the Honourable The House of Commons,
dated 12 June 1865;—for,

“RETURN showing Extent of LAND which has been Allotted as GARDEN GROUND to Bodies of TROOPS, and to Individual NON-COMMISSIONED OFFICERS in the several MILITARY DISTRICTS in *Great Britain* and *Ireland*, in the following Form:—

Name of Place.	Extent of Land Allotted.		Name of Corps or Regiment, if Allotted to Troops.	Quantity under Cultivation.		REMARKS.
	To Troops.	To Individual Non-Commissioned Officers and Others.		By Troops.	By Individual Non-Commissioned Officers and Others.	

War Office, }
14 June 1865. }

HARTINGTON.

RETURN showing Extent of LAND which has been Allotted as GARDEN GROUND to Bodies of TROOPS, and to Individual NON-COMMISSIONED OFFICERS in the several MILITARY DISTRICTS in *Great Britain* and *Ireland*.

NAME OF PLACE.	Extent of Land Allotted.			Name of Corps or Regiment, if Allotted to Troops.	Quantity under Cultivation.			REMARKS.							
	To Troops.	To Individual Non-Commissioned Officers and Others.			By Troops.	By Individual Non-Commissioned Officers and Others.									
ALDERSHOT :	A.	R.	P.	A.	R.	P.	A.	R.	P.						
Dolly's Hill - -	-	-		1	0	18	-	-		1	0	18			
Pavilion Hotel - -	-	-		0	3	4	-	-		0	3	4			
South Cavalry Bar- rack.	-	-		0	1	20	-	-		0	1	20			
Royal Artillery Bar- racks - -	{	3	2	26	0	1	0	Royal Artillery	3	2	26	0	1	0	
- -		0	1	17	-	-		Coast Brigade	0	1	17	-	-		
South Camp - -	-	-		1	0	31	-	-		1	0	31			
Infantry Barracks - -	-	-		0	0	33	-	-		0	0	33			
Engineer Yard - -	-	-		0	0	27	-	-		0	0	27			
Farnham - -	-	-		0	2	0	-	-		0	2	0			
Crondall - -	-	-		0	2	0	-	-		0	2	0			
BRIGHTON :															
Towers on Coast - -	2	2	20	-	-		Coast Brigade, Royal Artillery.	2	0	20	-	-			
Blatchington - -	1	2	0	-	-		- ditto - -	1	2	0	-	-			
Ditto - -	-	-		0	2	17	-	-		0	2	10			
BIRMINGHAM :															
Coventry - -	-	-		0	0	18	-	-		0	0	18			
CHATHAM - -	3	1	17	-	-		1st, 2d, and 3d Depôt Battalions.	-	-		-	-		This land has only been recently given over, and is not yet cultivated.	

NAME OF PLACE.	Extent of Land Allotted.		Name of Corps or Regiment, if Allotted to Troops.	Quantity under Cultivation.		REMARKS.
	To Troops.	To individual Non-commissioned Officers and Others.		By Troops.	By individual Non-commissioned Officers and Others.	
	A. R. P.	A. R. P.		A. R. P.	A. R. P.	
COLCHESTER - -	8 0 20	0 3 20	{ 4th & 8th Depôt Battalions - }	4 2 0	0 2 0	
Warley - - -	- - -	5 0 0		- - -	4 2 20	
Yarmouth - -	- - -	0 1 20		- - -	0 1 20	
Towers on Coast -	- - -	0 2 0		- - -	0 2 0	
DEVONPORT:						
Tregantle Fort -	3 1 0	0 3 0	Royal Artillery	- - -	0 3 0	The fort is not yet occupied by troops.
Cawsand Battery -	- - -	0 2 20	- - -	- - -	0 2 20	
Polhawn Battery -	- - -	0 3 0	- - -	- - -	0 3 0	
Maker Redoubts -	- - -	0 3 0	- - -	- - -	0 3 0	
Staddon - - -	- - -	0 1 17	- - -	- - -	0 1 17	
Exeter - - -	- - -	0 1 0	- - -	- - -	0 1 0	
Padstow - - -	- - -	0 0 30	- - -	- - -	0 0 30	
Pendennis Castle -	3 1 0	0 1 0	{ Coast Brigade, Royal Artillery - }	1 1 20	0 1 0	
DOVER:						
Towers on Coast -	- - -	2 1 29	- - -	- - -	2 1 29	
Shorncliffe - -	- - -	1 1 33	- - -	- - -	1 1 33	
Hythe Barracks -	- - -	0 0 24	- - -	- - -	0 0 24	
Dymchurch - -	- - -	0 0 18	- - -	- - -	0 0 18	
Dungeness - -	- - -	0 0 28	- - -	- - -	0 0 28	
Rye - - -	- - -	0 0 37	- - -	- - -	0 0 37	
Royal Military Canal -	- - -	1 1 8	- - -	- - -	1 1 8	
Fort Twiss - -	- - -	0 0 17	- - -	- - -	0 0 17	
Fort Sutherland -	- - -	0 0 19	- - -	- - -	0 0 19	
Fort Moncrieff -	- - -	0 1 7	- - -	- - -	0 1 7	
GRAVESEND:						
Gravesend - -	- - -	0 0 22	- - -	- - -	0 0 22	
Tilbury - - -	0 2 20	0 2 28	- - -	0 2 20	0 2 28	
Coal House Fort -	- - -	0 2 38	- - -	- - -	0 2 38	
Milton - - -	- - -	4 2 20	- - -	- - -	4 1 0	
GUERNSEY:						
Guernsey - -	- - -	0 0 38	- - -	- - -	0 0 38	A return of allotments in this district, to the present date, has not yet been received.
Alderney - -	- - -	0 1 14	- - -	- - -	0 1 14	
JERSEY - - -	{ 0 1 36 } { 0 0 36 }	0 1 29	{ Royal Artillery 1st Regiment - }	{ 0 1 32 } { 0 0 36 }	0 1 24	
PORTSMOUTH:						
Fort Cumberland -	- - -	0 0 20	- - -	- - -	0 0 20	
Hilsea Barracks -	0 1 22	- - -	{ Royal Artillery 81st Regiment, and Barrack Staff. }	- - -	- - -	
Gosport Barracks -	0 2 0	0 2 0		- - -	- - -	
Fort Monckton -	- - -	0 1 11	- - -	- - -	0 1 11	
Fort Gomer - -	- - -	0 0 20	- - -	- - -	0 0 20	
Fort Grange - -	- - -	0 1 0	- - -	- - -	0 1 0	
Fort Rowner - -	0 2 9	0 1 20	75th Regiment	- - -	0 1 20	
Fort Brockhurst -	0 2 21	0 1 0		- - -	0 1 0	
Fort Elson - -	- - -	0 1 0		- - -	0 1 0	
Parkhurst Barracks -	0 0 32	0 1 0	{ 5th Depôt Battalion - }	0 0 32	0 1 0	
Sandown Barracks -	0 2 31	0 1 16	Royal Artillery	0 2 31	0 1 16	
Fort Victoria - -	- - -	0 1 0	- - -	- - -	- - -	
Cliff End - - -	- - -	0 1 20	- - -	- - -	0 1 20	
Warden Point - -	- - -	0 0 20	- - -	- - -	0 0 20	
Freshwater Gate -	- - -	0 1 0	- - -	- - -	0 0 20	
Needles Point - -	- - -	0 1 20	- - -	- - -	0 1 20	
Hurst Castle - -	- - -	0 0 36	- - -	- - -	0 0 36	
Chichester Barracks	- - -	0 0 8	- - -	- - -	0 0 8	
PURFLEET - - -	- - -	1 3 36	- - -	- - -	1 3 36	

NAME OF PLACE.	Extent of Land Allotted.						Name of Corps or Regiment, if Allotted to Troops.	Quantity under Cultivation.						REMARKS.
	To Troops.			To individual Non-commissioned Officers and Others.				By Troops.			By individual Non-commissioned Officers and Others.			
	A.	R.	P.	A.	P.	R.		A.	R.	P.	A.	R.	P.	
SOUTH WALES:														
Pembroke Dock -	7	2	30	0	2	25	Royal Artillery	7	2	30	0	2	25	
Hubberstone -	0	2	0	0	0	20	- ditto -	0	2	0	0	0	20	
South Hook -	0	2	0	-	-	-	- ditto -	0	2	0	-	-	-	
Chapel Bay -	1	2	0	0	0	20	- ditto -	1	2	0	0	0	20	
Popton -	1	1	20	0	0	20	- ditto -	1	1	20	0	0	20	
Dale Point -	1	3	20	0	0	20	- ditto -	1	3	20	0	0	20	
West Block House -	1	0	0	-	-	-	- ditto -	1	0	0	-	-	-	
Cardiff -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
SHEERNESS - - -	2	3	38	-	-	-	Royal Artillery	-	-	-	-	-	-	Not yet cultivated.
SHOEBURYNNESS - - -	-	-	-	1	2	32	- -	-	-	-	0	3	37	
WEYMOUTH:														
Dorchester - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
Portland - - -	-	-	-	0	1	16	- -	-	-	-	0	1	16	
WOOLWICH:														
Woolwich - - -	-	-	-	1	1	36	- -	-	-	-	1	1	36	
Charlton - - -	-	-	-	1	3	8	- -	-	-	-	1	3	8	
Plumstead - - -	-	-	-	4	2	37	- -	-	-	-	4	2	37	
SCOTLAND:														
Blackness Castle - - -	-	-	-	0	1	0	- -	-	-	-	0	1	0	Only recently allotted, and not yet cultivated.
Ayr - - -	0	0	10	-	-	-	59th Regiment	-	-	-	-	-	-	
Dumbarton - - -	0	1	0	-	-	-	Coast Brigade,	-	-	-	-	-	-	
							R.A.							
Fort George - - -	0	2	0	0	2	0	- ditto -	0	1	20	0	1	20	
IRELAND:														
Athlone - - -	-	-	-	0	1	0	- -	-	-	-	-	-	-	Not yet handed over.
Carrickfergus - - -	-	-	-	0	2	0	- -	-	-	-	0	2	0	
Castlebar - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
Kinsale - - -	-	-	-	0	3	0	- -	-	-	-	0	3	0	
Cork Harbour - - -	-	-	-	2	0	0	- -	-	-	-	2	0	0	
Dublin - - -	-	-	-	0	3	2	- -	-	-	-	0	3	2	
Duncannon - - -	-	-	-	1	1	20	- -	-	-	-	0	3	20	
Dunree - - -	-	-	-	0	2	0	- -	-	-	-	0	2	0	
Greencastle - - -	-	-	-	0	3	20	- -	-	-	-	0	3	20	
Knockalla - - -	-	-	-	0	2	20	- -	-	-	-	0	2	20	
Longford - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
Lower Shannon - - -	-	-	-	3	3	0	- -	-	-	-	3	3	0	
Ned's Point - - -	-	-	-	0	2	20	- -	-	-	-	0	2	20	
Navan - - -	-	-	-	0	0	16	- -	-	-	-	0	0	16	
Nenagh - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
Newry - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
Omagh - - -	-	-	-	0	0	20	- -	-	-	-	0	0	20	
TOTAL - - -	48	2	25	61	1	33	- -	30	2	4	57	2	36	

ARMY (GARDEN GROUND).

RETURN showing EXTENT of LAND which has been allotted as GARDEN GROUND to Bodies of Troops, and to Individual Non-Commissioned OFFICERS in the several MILITARY DISTRICTS in *Great Britain and Ireland*; &c.

(*Mr. William Ewart.*)

*Ordered, by The House of Commons, to be Printed,
20 June 1865.*

GOLD COAST.

RETURN to an Address of the Honourable The House of Commons,
dated 19 July 1864;—*for*,

“COPY of any CORRESPONDENCE from or to the War Department relating to the Detail of TROOPS for the *Gold Coast* in 1863 and 1864, including Requisitions for TRANSPORT to the Admiralty, and CORRESPONDENCE with the Military Authorities on the West India or Coast of Africa Military Commands on this Subject.”

War Office, }
21 February 1865. }

HARTINGTON.

(*Sir John Hay.*)

Ordered, by The House of Commons, to be Printed,
22 February 1865.

LIST OF PAPERS.

Number.		Date.	From	To	SUBJECT.
Letter.	En- closure.				
1863 :					
1	-	14 March	Military Secretary	War Office - -	Sending Despatch from Major Cochrane.
	1	13 Feb. -	Major Cochrane -	Military Secretary	Reporting the hostile intentions of the King of Ashantee, and the paucity of force under his own command.
2	-	18 March	War Office - -	Colonial Office -	Transmitting Major Cochrane's letter.
3	-	24 March	Colonial Office -	War Office - -	Reply to No. 2; sends Despatch from Governor of the Gold Coast; does not think reinforcements necessary.
	1	13 Feb. -	Governor Pine -	Colonial Office -	As to apprehended difficulties with the King of Ashantee.
4	-	30 March	War Office - -	Military Secretary	Sending copies of No. 3.
5	-	24 April	Major Ireland -	War Office - -	Has sent 83 of all ranks to the Gold Coast.
	1	23 " -	Governor D'Arcy -	Major Ireland -	Urging despatch of a reinforcement to the Gold Coast.
6	-	18 May -	Military Secretary	War Office - -	Sending Despatch from Major Ireland as to a reinforcement from the Gambia.
	1	25 April	Major Ireland -	Military Secretary	Is sending a Company to the Gold Coast.
	2	25 " -	Governor D'Arcy -	Major Ireland -	As to a reinforcement for the Gold Coast.
7	-	19 May -	Colonial Office -	War Office - -	Sending further Despatch from the Gold Coast.
	1	15 April	Governor Pine -	Colonial Office -	As to the outbreak of war with Ashantee.
8	-	19 May -	Admiralty - -	War Office - -	Transmitting letter from Commodore Wilmot.
	1	14 April	Commodore Wilmot	Admiralty - -	As to steps taken for reinforcing the Cape Coast Garrison.
9	-	19 May -	Colonial Office -	War Office - -	100 men have been sent from Sierra Leone to Gold Coast.
	1	21 April	Lieut.-Gov. Blackall	Colonial Office -	Sending Despatch from Governor Pine.
	2	13 " -	Governor Pine -	Lieut.-Gov. Blackall	Requesting a reinforcement.
	3	20 " -	Col. Chamberlayne	Lieut.-Gov. Blackall	Can only send 100 men to Gold Coast.
10	-	23 May -	War Office - -	Military Secretary	Sending Enclosure 1 in No. 7.
11	-	27 May -	- ditto - -	- ditto - -	Sending Enclosure in No. 8.
12	-	12 June -	Military Secretary	War Office - -	Transmitting letter from Colonel Chamberlayne.
	1	5 May -	Col. Chamberlayne	Military Secretary	Reporting the sending of 198 of all ranks to Gold Coast.
	2	20 April	Governor Blackall	Col. Chamberlayne	As to a reinforcement for the Gold Coast.
13	-	15 June -	Colonial Office -	War Office - -	(Extract.) Sending Despatch from Governor Blackall.
	1	19 May -	Governor Blackall	Colonial Office -	" Announcing dispatch of 100 men to Gold Coast.
14	-	19 June -	Military Secretary	War Office - -	Reply to Nos. 10 and 11. Must await further information.
15	-	22 June -	Colonial Office -	War Office - -	Sending Despatch from Governor Pine.
	1	13 May -	Governor Pine -	Colonial Office -	Announcing reinforcements from the Gambia and Sierra Leone.
	2	27 April	Governor D'Arcy -	Governor Pine -	Sending a reinforcement.
	3	27 " -	- ditto - -	- ditto - -	As to the steamer "Dover."
16	-	31 Oct. -	Colonial Office -	War Office - -	Sending Despatch from Governor Pine.
		25 Aug. -	Governor Pine -	Colonial Office -	Reporting arrival of right wing, 4th West India Regiment, under Lieut.-Colonel Conran.
17	-	21 Nov. -	Colonial Office -	War Office - -	Sending extract of letter from Governor Pine.
	1	12 Oct. -	Governor Pine -	Colonial Office -	(Extract.) Urging reinforcements and fuller powers.
18	-	23 Nov. -	Colonial Office -	War Office - -	Sending letter from Governor Pine, and requesting an opinion.
	1	10 Oct. -	Governor Pine -	Colonial Office -	Reports detention of a detachment of 2nd West India Regiment.
	2	Aug. -	Lieut.-Col. Conran	Governor Pine -	Suggesting detention of a detachment, 2nd West India Regiment.
	3	17 " -	Governor Pine -	Lieut.-Col. Conran	Approving detention of ditto ditto.
19	-	24 Nov. -	War Office - -	Military Secretary	Sending No. 17; as to sending the 4th West India Regiment to Africa.
20	-	28 Nov. -	- ditto - -	- ditto - -	Sending No. 18.
21	-	1 Dec. -	Military Secretary	War Office - -	Reply to No. 19; as to whence reinforcements for the Gold Coast are to be drawn
	1	1 " -	- - - -	- - - -	Statement of the stations of the West India Regiments.
22	-	7 Dec. -	War Office - -	Colonial Office -	Reply to No. 17; sending copies of Nos. 19 and 21; asking whence troops should be withdrawn.
23	-	18 Dec. -	Colonial Office -	War Office - -	Reply to No. 22; suggests withdrawal of black troops from Barbados, Guiana, and Trinidad.
24	-	19 Dec. -	War Office - -	Military Secretary	Reply to No. 21; sending No. 23 for consideration.
25	-	22 Dec. -	Military Secretary	War Office - -	Reply to No. 24; submitting counter proposal as to distribution of West India Regiments.
	1	- - -	- - - -	- - - -	Proposed distribution of West India Regiments.
26	-	23 Dec. -	War Office - -	Colonial Office -	Sending No. 25.
1864 :					
27	-	1 Jan. -	Colonial Office -	War Office - -	Reply to No. 26; acquiescing generally in proposed arrangement.
28	-	1 Jan. -	War Office - -	Military Secretary	Reply to No. 25; sending No. 27.
29	-	2 Jan. -	Quartermaster-Genl.	Admiralty - -	Requesting a ship to transport troops to Africa.
	1	1 " -	- - - -	- - - -	Return of movements intended.
30	-	5 Jan. -	Admiralty - -	Quartermaster-Genl.	Reply to No. 29. "Tamar" will be ready to start for Barbados on the 8th instant.
31	-	14 Jan. -	Military Secretary	War Office - -	Reply to No. 28.
32	-	11 April	Lieut.-Col. Conran	Quartermaster-Genl.	Reporting arrival of reinforcements per "Tamar."
33	-	21 May -	War Office - -	Military Secretary	All troops in excess of one battalion to be withdrawn from the Coast.
34	-	21 May -	War Office - -	Lieut.-Col. Conran	Directing the withdrawal of the troops from the Gold Coast.
35	-	23 May -	Colonial Office -	War Office - -	Sending copy of Despatch to Governor Pine.
	1	May -	- ditto - -	Gov. of the Gold Coast	Announcing withdrawal of troops from the Coast.
36	-	21 May -	War Office - -	Admiralty - -	Notifying that the Quartermaster General will demand transport for troops to be removed from West Coast of Africa.
37	-	21 May -	War Office - -	Quartermaster-Genl.	To demand requisite transport from the Admiralty.
38	-	4 June -	Admiralty - -	War Office - -	Vessel has been surveyed, and will be ready to sail in about a fortnight.
39	-	16 June -	- ditto - -	- ditto - -	Suggesting that the "Gladiator" should take the troops as far as Cape de Verde.
40	-	17 June -	War Office - -	Admiralty - -	Reply to No. 39; agreeing thereto.
41	-	17 June -	War Office - -	Quartermaster-Genl.	Notifying approval of arrangement proposed by Admiralty in No. 38.
42	-	17 June -	Admiralty - -	War Office - -	"Gladiator" will proceed to-morrow to Sierra Leone.
43	-	12 July -	Lieut.-Col. Conran	War Office - -	Reply to No. 34; troops are brought down to coast awaiting embarkation; as to stores, &c.

CORRESPONDENCE relative to OPERATIONS on the WEST COAST
of AFRICA, 1863-4.

— No. 1. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 14 March 1863.

I AM directed by the Field Marshal Commanding-in-Chief to transmit to you, to be laid before the Secretary of State for War, the accompanying copy of a letter from Major Cochrane, commanding the troops on the Gold Coast, reporting that he sent the detachments as per margin* to Accra, in compliance with the request of the Governor, under the circumstances therein stated.

I am to request that you will inform Sir George Lewis that his Royal Highness adopts this course in case no intimation should have been made to the Secretary of State regarding the state of affairs on the Gold Coast, as Sir George Lewis may think proper to recommend some measures in consequence of the report contained in Major Cochrane's letter.

I am, &c.

(signed) W. F. Forster.

[For reply, see No. 4, page 5.]

Enclosure in No. 1.

Major Cochrane to the Military Secretary.

Sir,

Cape Coast Castle, 13 February 1863.

I BEG to report, for the information of his Royal Highness the Field Marshal Commanding-in-Chief, that, on the requisition of the Governor of these settlements, I have lately dispatched from head quarters to Accra, for the purpose of blockading the roads and paths to Crodboe, and for commencing operations against that people (should the negotiations now pending between them and the local Government fail in the object sought after), the force, as per margin,* who have all arrived at their respective destinations, and are enforcing a strict and rigid blockade.

I am, however, happy to add that there is every prospect of a peaceable and satisfactory termination to the measures which have been adopted by the Government in respect of these people, and that the force referred to will, ere very long, return to head quarters, where their services are very much required, the present strength of the garrison consisting only of myself and two subalterns, with a very small number of men. This will show the paucity of officers with the regiment under my command, and which I beg to draw particular attention to, hoping it may receive speedy rectification.

There is, however, another subject of great importance, and to which I would desire to invite your attention. I allude to the present condition of our relations with the powerful and not distant kingdom of Ashantee. Rumours are rife in the Colony that the King premeditates hostile operations against the Government, and these rumours and reports are so far corroborated by the actions of the Ashantees themselves, as to justify a belief in their truth. Until recently, I declined to place much reliance in them; but intelligence has this morning been received that the King is detaining in his kingdom people belonging to the Protectorate who had entered his territory for the purposes of trade, &c. Under such circumstances, and their consequences, I quite anticipate we shall at no very distant period be embroiled in a war of great magnitude, and one for which our present military resources

* 2d West India Regiment: 1 Captain, 1 Subaltern, 3 Serjeants, 1 Drummer, 79 Rank and File.
Gold Coast Artillery: 1 Captain, 1 Subaltern, 3 Serjeants, 1 Bugler, 59 Rank and File.

resources on the coast are very inadequate to cope with. Whatever measures are pursued in respect thereto in the interval between the departure of this mail and the following one, I shall do myself the honour to report in due course.

I have, &c.
(signed) *T. Cochrane.*
Major Commanding.

[Sent to the Colonial Office in No. 2, *see* below.]

— No. 2. —

The War Office to the Colonial Office.

Sir,

War Office, 18 March 1863.

I AM directed by the Secretary of State for War to transmit to you for the information of the Duke of Newcastle, the inclosed copy of a letter* from the officer commanding the troops on the Gold Coast, in which he reports that at the request of the Governor he had dispatched a force to Accra, to be employed, if necessary, against the natives of Croboe.

His Grace will observe that Major Cochrane also reports the existence of rumours to the effect that hostilities against the British settlements are threatened by the King of Ashantee, which would involve us in a war of great magnitude.

I have, &c.
(signed) *Edward Lugard.*

[For reply, *see* No. 3.]

— No. 3. —

The Colonial Office to the War Office.

Sir,

Downing Street, 24 March 1863.

I HAVE laid before the Duke of Newcastle your letter of the 18th instant,* transmitting a copy of a letter from the officer commanding the troops on the Gold Coast, in which he reports the existence of rumours to the effect that hostilities against the British settlements are threatened by the King of Ashantee; and I am directed by his Grace to enclose, for the information of Secretary Sir G. Lewis, a copy of a Despatch from the Governor of the Gold Coast on the same subject.

The Duke of Newcastle desires me to state that such rumours have not been infrequent, and have usually proved unfounded; that they do not appear to his Grace sufficiently weighty on this occasion to call for orders from home to remove the scanty garrisons from any of the other African settlements to the Gold Coast, but that he has communicated the information to the Admiralty, with a request that the cruisers on the Coast may be ordered to take all convenient opportunities of calling in at the Gold Coast to see whether affairs are tranquil and the settlements in security.

I have, &c.
(signed) *T. Frederick Elliot.*

Enclosure in No. 3.

Governor *Pine* to the Colonial Office.

My Lord Duke,

Cape Coast Castle, Gold Coast, 13 February 1863.

I HAD the honour in my Despatch, No. 112, 10th December 1862, incidentally to mention the case of two subjects of the King of Ashantee who had sought refuge under the British flag, and to express a fear that my refusal to deliver them up would offend the King.

2. Immediately after my arrival, and prior to the occurrence alluded to, I had sent a corporal

* Enclosure in No. 1, p 3.

* No. 2.

corporal of the Gold Coast Artillery Corps to Coomassie, with the usual complimentary letter, on my assumption of the Government. He did not return until the latter end of last month; but his absence did not at first excite surprise, as a long detention of a messenger by a powerful native king is not uncommon.

3. Within the last few days rumours have been afloat that the messenger had not been treated well by the King of Ashantee, and that his Majesty had taken offence, and was likely to resent it in some way or other. Major Cochrane, during my absence at Accra, after an examination of the messenger through an interpreter, was led to suppose that there might be some truth in the rumours which reached him from all sides, and sent to the principal kings and chiefs in the Protectorate, whose territories border on that of Ashantee, warning them to be on the alert.

4. On my return to Cape Coast I convened a meeting of the Executive Council, composed of, amongst others, Messrs. Blankson and Grant, native merchants of considerable influence and experience in the country, and after a careful examination of the messenger, and the other alleged circumstances of suspicion, the Council came to the decision that there were no present grounds for alarm.

5. Mr. Blankson's opinion I considered specially valuable, he having resided several years in the kingdom of Ashantee, and become personally acquainted with the king.

6. While addressing your Grace, rumours again reach me that the King of Ashantee has already detained subjects of the Protectorate who were trading in his country.

7. Should these rumours be confirmed, I shall be driven to the conclusion that the king's intentions are hostile; and, with the assistance of Major Cochrane, commanding the troops, shall take all the measures within my power for acting on the defensive, which at present would be the only possible course to pursue, as your Grace will readily conceive, when it is remembered that our whole force consists of less than 300 soldiers.

8. Should such a calamity as the invasion by the King of Ashantee befall us, I am informed by most persons of experience that it may not be expected immediately; but I shall not fail at once to call upon the naval authorities, and your Grace may rest assured that I shall make the best preparations circumstances will permit to meet any emergency that may arise.

I have, &c.
(signed) *Richard Pine.*

[Sent to the Military Secretary in No. 4.]

— No. 4. —

The War Office to the Military Secretary.

Sir,

War Office, 30 March 1863.

WITH reference to that portion of Major Cochrane's letter, enclosed in yours of the 14th instant,* in which he reports the existence of rumours to the effect that hostilities against the British settlements on the Gold Coast are threatened by the King of Ashantee, I am directed by the Secretary of State for War to transmit to you, for the information of his Royal Highness the Field Marshal Commanding in Chief, the accompanying copy of a letter from the Colonial Office,† together with its enclosure, from the Governor on the subject.

* No. 1, p. 3.

† No. 3, p. 4.

I have, &c.
(signed) *Edward Lugard.*

— No. 5. —

Major Ireland to the War Office.

Sir,

Brigade Office, Gambia, 24 April 1863.

I HAVE the honour to report, for the information of the Right Honourable the Secretary of State for War, that, on the urgent requisition of Mr. Pine, Governor of the Gold Coast, his Excellency Governor D'Arcy has called upon me to send to the assistance of the above Colony a force of three officers and 80 rank and file, which I have acceded to.

Her Majesty's colonial steamer "Dover" is placed by his Excellency at my disposal for the above duty.

Both his Excellency the Governor and myself concur in considering that it is not necessary, under the present friendly relations of the natives with this Colony, to call out the militia.

I have, &c.
(signed) *R. P. Ireland,*
Major Commanding.

Enclosure in No. 5.

Governor *D'Arcy* to Major *Ireland*.

Sir,

Government House, Gambia, 23 April 1863.

I HAVE the honour to forward you a copy of a requisition addressed to me by Mr. Pine, the Governor of Her Majesty's settlements at the Gold Coast, by which you will perceive how urgent his appeal is for aid, in consequence of an invasion of the Ashantees over his frontier.

I consider the occasion sufficiently grave to warrant every effort being made, even at some risk to this settlement. To assist a sister colony in such alarming straits, I propose that you place 80 rank and file at the disposal of the officer commanding the naval forces for this emergency. Since writing the above, Captain Luce, R.N., has informed me that he has no available transport, but Her Majesty's colonial steam-ship "*Dover*" is at your disposal for the duty.

As our relations with the natives are most friendly, although they are at war amongst themselves at Inderbar, I do not see any occasion for calling out the pensioners or the militia.

(A true Copy.) I have, &c.
R. P. Ireland. (signed) *G. D'Arcy.*

— No. 6. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 18 May 1863.

I HAVE the honour, by direction of his Royal Highness the Field Marshal Commanding in Chief, to transmit to you, to be laid before the Secretary of State for War, the accompanying letter, with its enclosure, from Major Ireland, 3d West India Regiment, reporting that, on the urgent requisition of Governor *D'Arcy*, he (Major Ireland) had put in orders a company, under command of Captain Harley, to proceed to the assistance of Governor Pine in repelling the invasion of the King of Ashantee.

I have, &c.
(signed) *W. F. Forster.*

Enclosure 1 in No. 6.

Major *Ireland* to the Military Secretary.

Sir,

Bathurst, Gambia, 25 April 1863.

On the urgent requisition of Governor *D'Arcy* (copy of which I beg to enclose), I have the honour to report, for the information of his Royal Highness the Field Marshal Commanding in Chief, that I have put in orders a company (strength as per margin),* under command of Captain Harley, 3d West India Regiment, to proceed to the assistance of his Excellency Governor Pine in repelling the invasion of the King of Ashantee.

As there is no available man-of-war at the disposal of Government, his Excellency Governor *D'Arcy* has placed H. M. colonial steamer "*Dover*" at my disposal for the transport of the troops.

As stores for twenty days will have to be placed on board for the use of the troops, it is proposed that the "*Dover*" will leave this station for the Gold Coast on Monday, the 27th instant.

The Governor and myself agree as to the advisability of continuing to carry out the duties of this garrison without embodying the militia.

I have, &c.
(signed) *R. P. Ireland,* Major,
3d West India Regiment, Commanding Troops.

* 3d West India Regiment: 1 Captain, 2 Subalterns, 3 Serjeants, 1 Drummer, and 79 Rank and File.

Enclosure 2 in No. 6.

Governor *D'Arcy* to Major *Ireland*.

Sir,

Government House, Gambia, 23 April 1863.

I HAVE the honour to forward you a copy of a requisition addressed to me by Mr. Pine, the Governor of Her Majesty's settlements at the Gold Coast, by which you will perceive how urgent his appeal is for aid, in consequence of an invasion of the Ashantees over his frontier.

I consider the occasion sufficiently grave to warrant every effort being made, even at some risk to this settlement, to assist a sister Colony in such alarming straits. I propose that you place 80 rank and file at the disposal of the officer commanding the naval forces for this emergency.

Since writing the above, Captain Luce, R.N., has informed me that he has no available transport; but H.M. colonial steam-ship "Dover" is at your disposal for the duty.

As our relations with the natives are most friendly, although they are at war amongst themselves at Imderbar, I do not see any occasion for calling out the pensioners or the militia.

I have, &c.

(signed) *G. D'Arcy*, Governor.

(True Copy.)

R. P. Ireland, Major,
3d West India Regiment, Commanding Troops.

— No. 7. —

The Colonial Office to the War Office.

Sir,

Downing-street, 19 May 1863.

WITH reference to my letter of the 24th March, I am directed by the Duke of Newcastle to transmit to you, for the information of Earl de Grey, a copy of a further Despatch from the Governor of the Gold Coast reporting the threatening movements of the Ashantees, and the steps which he had taken to resist an invasion.

I am, &c.

(signed) *T. Frederick Elliot*.

Enclosure in No. 7.

Governor *Pine* to the Colonial Office.

My Lord Duke,

Cape Coast Castle, 15 April 1863.

SINCE I had the honour to report to your Grace further proceedings on the part of the King of Ashantee, and the measures I had taken to repel his threatened invasion, four weeks of anxious anxiety have passed away, and I shall now proceed briefly to describe the events which have brought about the crisis at which we have arrived.

2. On the arrival of the "Adventure" from Lagos, I proceeded hence with all her force, consisting of 1 officer and 100 rank and file of the 2d West India Regiment destined for the West Indies, together with the portion of the Gold Coast Corps serving in the eastern districts, and disembarked the whole force at this castle.

3. From that time to this the tribes of the Protectorate have been arming and preparing themselves for the expected invasion, and have advanced to the support of those nearest the supposed enemy, whose attack is pretty well now established to be in two separate bodies, one in the district of Assin, and the other in the district of Akim.

4. I have supplied our allies with small quantities of ammunition, but have enjoined them in the strictest manner to abstain from hostilities unless in case of absolute necessity. Still, from time to time, rumours have been prevalent that large parties of Ashantees have crossed the boundary and invaded the Protectorate, pillaging and overrunning the country, and compelling the allies to fall back: but until within the last few days it was not universally believed that invasion was imminent, and that the intentions of the King of Ashantee were warlike.

5. On the 30th day of March last the Commodore arrived, and at my urgent request has remained here ever since.

6. On the 30th day of March last I called a meeting of councillors and others, at which the Commodore was good enough to attend, when it was decided that as no positive declaration of war had been made by the King of Ashantee, it was desirable to know whether the alleged incursions of his subjects were with his sanction and approval. Prince Ansah, a nephew of the King, volunteered his services, and desired to proceed to Coomassie even on his own account. I hesitated slightly in consequence of the suspicion which seems to be attached to an Ashantee by the inhabitants of the Protectorate; but on the assurance of the Rev. William West, and others well acquainted with Prince Ansah, I permitted his departure. And here I desire to record the courageous and disinterested offer of Staff-surgeon O'Callaghan, lately my colonial surgeon, to accompany the mission, and although I dared not risk the health, safety, liberty, or life of so devoted a public servant, I solicit from your Grace a favourable notice of the gallant conduct of this officer.

7. Mr. Ansah proceeded therefore alone, but has not as yet dared to advance further than within two days' journey of the River Prah, reporting that large parties of Ashantees occupy the intermediate territory.

8. A few days since the heads of four Ashantees have respectively been sent to Cape Coast Castle, Anamaboe, Winnebah, and Accra, which our allies aver to have been taken from among the parties of Ashantees whom they found destroying their crops of cassada, yams, plantains, palm-nuts, and other articles of food.

Such atrocities, however much to be deplored, can scarcely be wondered at; but I have not failed up to this very moment to restrain the allies from aggression, so anxious have I been to avoid the horrors of war, and at least to guard against a shot being fired.

9. On the 10th instant a suspected spy was taken within a short distance of the coast, and conveyed to me. He stated himself to be a native of a country beyond but tributary to Ashantee, and that his master, a captain with a company of 700 men, together with other captains having their own companies, were summoned some weeks since by the King of Ashantee. That upon their arrival at the King's town, his Majesty instructed them to cross the Prah, and there to await his further commands. That they did so cross the Prah some weeks since, and are waiting orders. That the King told them in his (the spy's) presence, that they were to proceed to Denkerah, there to take the head of the refugee Gainin, and then to advance to Cape Coast Castle, and there take the Governor's head. That the captains were further instructed, under the advice of the King's fetish-men, to send a messenger to the sea coast for the purpose of procuring sea water and sand, to be used in the preparation of a fetish which would ensure their success.

The spy told his story without the slightest hesitation, until he arrived at that portion which related to my ultimate fate, when he added that the captains had sworn the most solemn oath to obey the will of their sovereign.

10. Immediately after the examination of the spy in the presence of the Commodore, that officer, at my request, undertook to garrison this castle, Fort William, Fort Victoria, and to throw up earthworks on Connor's Hill and other heights, and he and his officers and men are rapidly proceeding with their arduous task.

The object of this step is not only with a view to the defence of the seat of Government, but also to enable Major Cochrane, commanding the troops, to avail himself of the services of every man in the field at a moment's notice.

11. On the 13th instant I summoned an Executive Council, Commodore Wilmot and other officers assisting as members, when it was unanimously decided that Major Cochrane should take the field this day, not for the purpose of attacking the Ashantees, but with the view of observing their movements, concentrating the allies, encamping his little army in an advantageous position, so as to command access to that point of the Protectorate the most sorely pressed; and to which camp I purpose proceeding in person so soon as it be established. Major Cochrane has my strictest injunction to be well assured that the movements of the Ashantees are organised, sanctioned, and approved by their king, and to avoid, if possible, and by every means in his power, a conflict.

12. Our whole regular force does not exceed 400 men, which is, indeed, a small body to meet the enormous army which it is said the King of Ashantee has at command. But it is to be hoped that some 15,000 or 20,000 of our allies may be depended upon; and I have by this mail made requisitions for assistance from the Governor of Sierra Leone and the Gambia.

13. It is impossible to convey to your Grace any idea of the difficulties which surround me in this vast country under existing circumstances; amongst others, the impossibility of procuring reliable information as to the actual state of affairs, and I have strictly avoided sending forth military officers or parties under the fear of their being cut off, and thus increasing my anxieties; and for the same reason it is deemed inexpedient that our force should be divided.

14. However inadequately I may have described the events which have recently taken place, I trust that I have convinced your Grace of my earnest desire and strenuous efforts to preserve peace; and whatever be the result, I hope for your Grace's sympathy and approval.

I have, &c.
(signed) *Richard Pine.*

— No. 8. —

The Admiralty to the War Office.

Sir,

Admiralty, 19 May 1863.

I AM commanded by my Lords Commissioners of the Admiralty to transmit herewith, for the information of the Secretary of State for War, a copy of a letter dated the 14th ultimo, No. 84, from Commodore Wilmot, reporting his having landed a portion of the crews of the "Rattlesnake" and "Ranger," with guns, stores, &c., for the defence of Cape Coast Castle, the garrison having proceeded into the interior.

I am, &c.
(signed) *W. G. Romaine.*

Enclosure in No. 8.

Commodore Wilmot to Sir B. W. Walker.

Sir,

"Rattlesnake," Cape Coast Castle, 14 April 1863.

YOU will receive with this a letter relative to the state of affairs at this place, which was written on my arrival here, at the beginning of the month, with the intention of leaving it to be forwarded by the homeward mail.

Since then our difficulties with the King of Ashantee have been increasing, and the kings and chiefs under British protection have taken the field for the conflict.

My presence here has, therefore, been actually necessary for many reasons.

At a council of war held yesterday in the Castle, it was determined to take the field, and form an entrenched camp about 30 miles in the interior, for the purpose of obtaining more correct information, for being prepared in the event of the Ashantees being really in the country, and for giving encouragement to our friends and allies.

Rumours daily arrive of the hostile movements of the Ashantees.

It is quite impossible to find out the truth by remaining shut up in the Castle, and I quite coincided with the opinions expressed at the council of war, because I am sure they will bring matters to a crisis, and probably save a great amount of trouble, uncertainty, and expense.

The messengers sent to the King of Ashantee have been unable to pass through the country, as it was considered unsafe to do so.

At the request of the Governor, and equally by my own suggestion, I have enabled him to send into the field the whole of his available force, and shall garrison the Castle and outposts with a portion of my own crew, assisted by that of the "Ranger." The numbers to be sent on shore are as stated in the accompanying sheet.

I have employed my crew for the last week in making ammunition pouches, haversacks, and throwing up earthworks in commanding positions, for the better protection of the place. I have taken in hand, with my carpenters and blacksmiths, the repairs of the gates and other places, through which an enemy might easily pass, in consequence of their dilapidated condition. Sand-bags have been made, and every assistance in the way of canvas and other stores has been given to the garrison.

I have also supplied the forts of Annamaboe and Dix Cove with provisions. The "Ranger" took to the latter place four guns from the Castle.

The garrison march out to-day and to-morrow, and Commander de Wahl will take possession on the 17th instant, with six weeks' provisions and stores of all kinds.

As the guns in the forts are so inefficient, I have determined to land from this ship one 40-pounder Armstrong gun, one field-piece Armstrong, one launch's Armstrong, and one 12-pounder howitzer.

The "Ranger" will land a 24-pounder howitzer.

As I presume the "Brisk" will shortly be relieved, I have directed Captain Luce to send down here, by the first ship-of-war, his howitzers and boats' guns, with 50 muskets, all his spare powder and small-arm ammunition, which, under any circumstances, will always prove useful on this station.

After landing the men, and seeing everything in proper order, I shall leave the "Ranger" here, and proceed to Lagos and other parts of my station.

The "Archer" (which vessel I see by the papers is fitting out for this coast) has been ordered by me to this place on her arrival at Sierra Leone, to assume the duties of senior officer in the Bights.

As the crew of the "Lee" have suffered a little from the hard work they underwent at Fernando Po, while repairing their vessel, I have considered it advisable to send her to St. Helena, *via* the South Coast.

A statement of the disposition of the squadron is herewith appended.

I have, &c.
(signed) *A. P. E. Wilmot,*
Commodore and Senior Officer.

THE number of Officers and Men to be landed for the protection of Cape Coast Castle.

For the Castle :—

Commander T. A. de Wahl.
Lieutenant Bouchier, R.M.L.I.
Sub-Lieutenant J. S. Bedford.
George F. Drew, Surgeon.
Mr. Frederick North, Assistant Pay-
master in charge of stores.
Mr. James F. Foot, master's assistant.
Mr. I. V. B. Thompson, 2d class as-
sistant engineer.
20 Marines and 1 bugler.
40 Seamen, including petty officers
and carpenters.
8 Kroomen.
3 Boys, 1st class, as servants.

Total 79

For Fort William :—

Lieutenant Hewitt, R.N.
15 Seamen.
2 Kroomen.
1 Boy, 1st class.

Total 19

For O'Connor's Hill :—

Lieutenant Moutray, R.N.
12 Seamen.
2 Kroomen.
1 Boy, 1st class.

Total 16

For Barnes Hill :—

Mr. Ewbank, midshipman.
10 Seamen.
2 Kroomen.
1 Boy, 1st class.

Total 14

For Victoria Fort; from the "Ranger" :—

The Gunner.
10 Seamen.
2 Kroomen.

Total 13

From "Rattlesnake" :—

10 Officers.
77 Petty officers and seamen.
21 Marines.
14 Kroomen.
6 Boys, 1st class (servants).

Total 128

From "Ranger" :—

1 Officer.
10 Seamen.
2 Kroomen.

Total 13

Total Force to be landed, 141.

[Sent to Military Secretary in No. 11, p. 11.]

— No. 9. —

The Colonial Office to the War Office

(Extract.)

Sir,

Downing-street, 19 May 1863.

I AM directed by the Duke of Newcastle to transmit to you a copy of a Despatch from the Governor of Sierra Leone, reporting that, upon an application from the Governor of the Gold Coast, he had sent to that colony a detachment of 100 men.

Enclosure 1 in No. 9.

Lieutenant-Governor *Blackall* to the Colonial Office.

(Extract.)

My Lord Duke,

Government House, Sierra Leone,
21 April 1863.

1. I HAVE the honour to forward to your Grace a Despatch which I have received from Governor Pine, of Cape Coast.
2. Anxious to meet the emergency, I called on Colonel Chamberlayne to state how many troops he could spare, and I submitted his reply to the Council this day.

Enclosure 2 in No. 9.

Governor *Pine* to Lieutenant-Governor *Blackall*.

Sir,

Cape Coast Castle, Gold Coast, 13 April 1863.

I HAVE the honour to inform your Excellency that the rumours with respect to the invasion of this Protectorate by the King of Ashantee are so far confirmed as to have rendered

rendered it necessary for me to call upon Commodore Wilmot for his assistance, with the naval force at his command, who has kindly consented to garrison the forts under my Government, and thus leave the military force under the command of Major Cochrane at liberty to take the field.

This force is exceedingly small if the invaders should prove as numerous as reported; and I have this day decided that the officer commanding shall move at present only to reconnoitre the position of the enemy, give countenance and support to the tribes of the Protectorate, and await, if possible, reinforcements.

Under these circumstances, I have the honour to request that you will despatch to my assistance as large a force as possible by the first opportunity, and which Commodore Wilmot has kindly promised to provide by detaching a ship of war for the purpose, as also for the transport of certain stores required by the commissariat officers at this station.

Should your Excellency be pleased to comply with my request, I need scarcely say that I shall thankfully accept any conditions which you may think fit to impose.

I have, &c.
(signed) *Richard Pine*, Governor.

Enclosure 3 in No. 9.

Colonel *Chamberlayne* to Governor *Blackall*.

Sir,

Tower Hill, 20 April 1863.

In reply to your letter of this day's date, with an inclosed Despatch from the Governor of the Gold Coast (herewith returned), I have the honour to state that, by withdrawing almost all the ordinary guards at this station I shall not be able to send more than 100 effective men (of all ranks) to the Gold Coast, unless you consider it compatible with the safety of the colony of Sierra Leone that the detachment at the Sherbro' and Jougla Town should be withdrawn or greatly reduced.

I have, &c.
(signed) *W. J. Chamberlayne*,
Colonel, 3d West India Regiment, Commanding Troops.

-- No. 10. --

The War Office to the Military Secretary.

Sir,

War Office, 23 May 1863.

REFERRING to the previous correspondence relative to the alleged hostile intentions of the Ashantees, I am directed by the Secretary of State for War to transmit to you, for the perusal of His Royal Highness the Field Marshal Commanding in Chief, the enclosed copy of a Despatch * addressed to the Colonial Office by the Governor of the Gold Coast, in which he reports the measures he had adopted to resist any attack upon the British settlements. * Enclosure in No. 7, p. 7.

I have, &c.
(signed) *Edward Lugard*.

[For reply, see No. 14, p. 13.]

-- No. 11. --

The War Office to the Military Secretary.

Sir,

War Office, 27 May 1863.

REFERRING to my letter of the 23d instant, † relative to the alleged hostile intentions of the Ashantees, I am directed by the Secretary of State for War to transmit to you, for the information of His Royal Highness the Field Marshal Commanding in Chief, the accompanying copy of a letter ‡ addressed to the Admiralty by Commodore Wilmot, in which he reports the measures he had taken for the defence of our settlements on the Gold Coast, the garrison having proceeded into the interior. † No. 10. ‡ Enclosure in No. 8, p. 9.

I have, &c.
(signed) *Edward Lugard*.

[For reply, see No. 14, p. 13.]

— No. 12. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 12 June 1863.

I AM directed by His Royal Highness the Field Marshal Commanding in Chief to transmit to you, to be laid before the Secretary of State for War, the accompanying letter from Colonel Chamberlayne, 3d West India Regiment, commanding the troops at Sierra Leone, reporting that the forces therein detailed had been sent to the Gold Coast on the requisition of the Governor of that Settlement, with reference to a threatened invasion by the King of the Ashantees.

I am, &c.

(signed) *W. F. Forster.*

Enclosure 1 in No. 12.

Colonel *Chamberlayne* to the Military Secretary.

Sir,

Sierra Leone, 5 May 1863.

I HAVE the honour to report, for the information of His Royal Highness the Field Marshal Commanding in Chief, that the force given in the margin* was despatched yesterday in Her Majesty's ship "Dart" (Captain Richards) to the assistance of the Governor of Cape Coast, that settlement having been threatened with an invasion by the King of the Ashantee country.

A force, as per margin,† arrived here from the Gambia on the 2d instant, in the colonial steamer "Dover," and went on yesterday to Cape Coast for the same purpose, towed by Her Majesty's ship "Dart."

Provisions were also sent on by the Commissariat Department.

I enclose a copy of the letter from his Excellency the Governor of Sierra Leone, transmitting Governor Pine's application for assistance; the application has been returned.

Trusting the arrangements I have made may meet with the approbation of His Royal Highness,

I have, &c.

(signed) *W. J. Chamberlayne.*

Enclosure 2 in No. 12.

Governor *Blackall* to Lieutenant Colonel *Chamberlayne*.

Sir,

Government House, Sierra Leone, 20 April 1863.

Enclosure 2 in
No. 9, p. 10.

I HAVE the honour to enclose to you a Despatch which I have just received from Governor Pine, requesting some assistance by the despatch of troops to Cape Coast.

Will you be kind enough to state, in returning this Despatch, whether you consider that you could, in conjunction with the civil power, make any arrangements to meet Governor Pine's wishes?

I have, &c.

(signed) *James Blackall.*

— No. 13. —

The Colonial Office to the War Office.

(Extract.)

Sir,

Downing-street, 15 June 1863.

No. 9, p. 10.

WITH reference to my letter of the 19th ultimo, I am directed by the Duke of Newcastle to transmit to you, for the information of Earl de Grey, the enclosed copy of a Despatch from the Governor of Sierra Leone, reporting the withdrawal from the local garrison of 100 men destined for the Gold Coast.

* 2d West India Regiment: 1 Subaltern, 63 men. 3d West India Regiment; 2 Subalterns, 45 men.
Total: 3 officers, 108 men.

† 3d West India Regiment: 1 Captain, 2 Subalterns, 83 men, and 1 Staff Assistant-surgeon.

Enclosure in No. 13.

Governor *Blackall* to the Colonial Office.

(Extract.)

My Lord Duke,

Government House, Sierra Leone, 19 May 1863.

I HAVE the honour to inform you that, in compliance with the request contained in Governor Pine's despatch, which I had the honour to enclose to you in mine of 21st April,* No. 56, I have, with concurrence of Colonel Chamberlayne, forwarded to Cape Coast all the available men from this garrison, amounting in the whole to 100, who embarked in the gunboat "Dart" on the 4th instant.

* Enclosure in
No. 9, p. 10.

— No. 14. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 19 June 1863.

I AM directed by His Royal Highness the Field Marshal Commanding in Chief to acknowledge the receipt of your letters of the 23d† and 27th ultimo,‡ with their enclosures, reporting the measures adopted for the defence of the Settlements on the Gold Coast, the garrison having proceeded into the interior, in expectation of an attack by the King of Ashantee, and to request that you will inform the Secretary of State for War that His Royal Highness does not think that anything more can be done in the present state of affairs but await further information on the subject.

† No. 10, p. 11.
‡ No. 11, p. 11.

The Despatch addressed to the Colonial Office by the Governor of the Gold Coast, enclosed in your letter of the 23d ultimo, is herewith returned as requested.

I have, &c.
(signed) *W. F. Forster.*

— No. 15. —

The Colonial Office to the War Office.

Sir,

Downing-street, 22 June 1863.

I AM directed by the Duke of Newcastle to transmit to you, for the information of Earl de Grey, the copy of a Despatch from the Governor of the Gold Coast, with its enclosures, announcing the arrival of 100 men at Cape Coast from Sierra Leone, and the dispatch of Her Majesty's steam-ship "Dover," from the Gambia.

I am, &c.
(signed) *T. Frederick Elliot.*

Enclosure 1 in No. 15.

Governor *Pine* to the Colonial Office.

My Lord Duke,

Cape Coast Castle, 13 May 1863.

AFTER closing my Despatch of yesterday to your Grace, I received two letters from the Governor of the Gambia, which I think it due to his Excellency I should enclose for your Grace's perusal.

I need scarcely assure your Grace how gratefully I received the aid of Colonel D'Arcy, so promptly, so heartily, and so courteously proffered to me in my need. I have further the honour to inform your Grace that the Governor of Sierra Leone has added 100 men of all ranks to the force received from the Gambia.

Major Blackall informs me that he has applied to your Grace for permission to draw for the expense of 100 volunteers, called out to replace the men he has spared me, and I respectfully join with his Excellency in soliciting the approval of this measure by your Grace.

With this timely augmentation of the military force, I trust that the officer commanding the troops will shortly enable me to report a more satisfactory state of things in the Protectorate.

I have, &c.
(signed) *Richard Pine.*

Enclosure 2 in No. 15.

Governor *D'Arcy* to Governor *Pine*.

Your Excellency,

Government House, Gambia, 27 April 1863.

It has given me much pleasure to comply with your requisition for aid in so trying an occasion, and I only regret that the contiguity of Mahn Moba on the left bank of the river, at the head of 5,000 warriors, has prevented my placing more of my garrison at your disposal. Although the Colonial Governor is on the most friendly relation with this hitherto successful Fanotig, yet it is impossible to foresee how far he may respect treaties when pillage and the abduction of human beings are favourably presented to his view by the defenceless state of British Combo.

I most earnestly hope that your laudable efforts to resist the invasion of the King of Ashantee will be successful, and that Her Majesty's supremacy may be secured at so important a settlement as the one under your Government.

I have, &c.

(signed) *G. D'Arcy*,

Colonel and Governor of the Gambia.

Enclosure 3 in No. 15.

Governor *D'Arcy* to Governor *Pine*.

Your Excellency,

Government House, Gambia, 27 April 1863.

By the advice of Captain Luce, R.N., I have placed Her Majesty's colonial steamship "Dover" under the orders of Captain Richards, commanding Her Majesty's ship "Dart," to enable the aid to be as effective and prompt as possible.

Your Excellency is well aware that this little vessel is a colonial right arm: may I request that you will direct that the "Dover" is returned to this colony as soon as the danger is over; but in the event of hostilities continuing, I trust you will retain her services, as they cannot be better employed than in meeting so grave a difficulty as at present your Government is labouring under.

The officer in command has orders to place himself under the command of Captain Richards, who will comply with every requisition your Excellency may think proper to give as far as the "Dover" is concerned.

I have, &c.

(signed) *G. D'Arcy*,

Colonel and Governor of the Gambia.

— No. 16. —

The Colonial Office to the War Office.

Sir,

Downing-street, 31 October 1863.

I AM directed by the Duke of Newcastle to transmit to you, for the information of Lord de Grey, the copy of a Despatch from the Governor of the Gold Coast, announcing the arrival at Cape Coast of the right wing of the 4th West India Regiment, under Lieutenant Colonel Conran, and stating that he is at present unable to report the results of the investigation into the conduct of Major Cochrane.

I have, &c.

(signed) *Frederic Rogers*.

Enclosure in No. 16.

Governor *Pine* to the Colonial Office.

My Lord Duke,

James Town, Accra, 25 August 1863.

I HAVE the honour to inform your Grace that on the 13th instant Her Majesty's ship "Megara" arrived at Cape Coast Castle, with the right wing of the 4th West India Regiment, commanded by Lieutenant Colonel Conran, the whole strength of the force consisting of 495 souls.

2. I have

2. I have further to report that the Naval Brigade under Commodore Wilmot embarked on board the flag ship "Rattlesnake," and Colonel Conran assumed command of the garrison. On the 23d instant the Commodore having courteously afforded me a passage to this place, proceeded on the following day to the South Coast, from whence he promised to return in November next, and place himself at my disposal.

3. Colonel Conran received, from his Royal Highness the Field Marshal Commanding in Chief, orders, on his arrival, to investigate the conduct of Major Cochrane during the recent military operations against the Ashantees, and requested me to supply him with such information as would enable him to proceed with the inquiry, and I have given him free access to all documents which bear upon the case, and desired that the matter shall not be closed until my return to Cape Coast.

Unfortunately I shall not, for want of opportunity, reach Cape Coast before the arrival of the homeward-bound mail packet, and shall therefore not be enabled at present to report to your Grace the result of the investigation which, with justice to all parties, must be a lengthy one.

I have, &c.
(signed) *Richard Pine*, Governor.

— No. 17. —

The Colonial Office to the War Office.

Sir,

Downing-street, 21 November 1863.

I AM directed by the Duke of Newcastle to transmit to you, for the consideration of Earl de Grey, an extract of a Despatch from the Governor of the Gold Coast, stating his views in regard to the expediency of organising a force to attack the Ashantees, even supposing that the latter should not take the initiative, which he considers the more probable, and suggesting that another regiment should be sent to the Gold Coast with all speed.

I have, &c.,
(signed) *T. Frederick Elliot*.

[For reply see No. 22, p. 19.]

Enclosure in No. 17.

Governor *Pine* to the Colonial Office.

(Extract.)

Government House, Cape Coast, 12 October 1863.

4. THE natives, by the recent events, in addition to their want of confidence in the Ashantees, have also well nigh lost that in the British protection; and, since the return of the troops, continual inquiries have been made as to my future plans, and I have partially pacified and encouraged them by the promise that, with permission, I would never leave this coast until I had gained them redress for the wrongs they have suffered; and, on their parts, they have promised, and are actually ready to commence roads as far as the Prah, and to supply a portion of the necessary transport.

5. I perceive, with pleasure, that your Grace is pleased to hold out some hope that, upon a report of a competent military officer, my view may be reconsidered; but I respectfully submit that a long residence on the coast, and an adequate knowledge of the country, cannot be expected in any military commander who is actually, or likely to be, here. Whoever he may be, he must gain his information from others; and, without vanity, I may say that I am in a position to give all information, and that I have experience of the difficulties which have to be guarded against.

6. The main want in the last expedition, according to Major Cochrane, was transport and difficulty of travelling in the interior; and, although I aver that those difficulties were sufficiently remedied to have enabled much more to be done (in which opinion I believe the officer now commanding will state his concurrence to the Horse Guards), I have taken, and am taking, preliminary steps to avoid the recurrence of the past, and contemplate sending to the Kroo coast for a large body of the inhabitants of that nation in the event of the necessity of the troops again taking the field.

7. With respect to the probability of this necessity, I have the honour to report that three days since the King of Denkera, the country to which the refugee Ganin repaired, sent me duly authorised messengers with the horrible proof which is considered essential—a fresh Ashantee jawbone—the news of a skirmish which has taken place between a few

Fantees and Ashantees during which the unfortunate owner of the jawbone was killed, and the natives are compelled to be more or less on the alert.

8. All I hope is, that absolute advance will not be compulsory before December next; as, having had as yet no rain, we must expect an unusual quantity of what is called the "latter rain" during this and the next month.

9. I believe that Colonel Conran would be willing and even anxious to advance with the 600 men under his command, and, in such case, I should again garrison the castle and forts with the Naval Brigade, and probably request the assistance of the Governors of Lagos, Sierra Leone, and the Gambia, constituting a force of about 900 men,—sufficient, in my opinion, if judiciously handled, to repel the enemy, and, although I am not sanguine, I believe capable of advancing even to Ashantee.

10. I mark well your Grace's instructions on this subject generally, and no rashness need be feared on my part; and I fervently hope that, in the event of the enemy returning, the military demonstration that we shall be enabled to make, will compel him to terms which I can honourably accept, and an advance only would be the result of the "overruling necessity" to which your Grace alludes.

11. My desire and respectful advice is in favour of another regiment being sent here with all speed, because I am more and more convinced that a final blow should be struck at the power of Ashantee, where atrocities not second to those in Dahomey are perpetrated, differing only in the fact that, in the former, they never end, while in the latter they take place with more parade and at stated periods.

12. There is one topic to which I have not yet alluded, but it is a most important one.

I believe that Colonel Conran, from his peculiar and detailed professional education, is not likely to omit the provision for the comfort and well-being of his officers and soldiers, and all the minor appliances of war; but I think it my duty to express a hope that this officer, or whoever may command, will be entrusted with the utmost latitude and discretion in his requisition upon the military authorities in the event of my requiring him to take the field.

— No. 18. —

The Colonial Office to the War Office.

Sir,

Downing-street, 23 November 1863.

I AM directed by the Duke of Newcastle to transmit to you a copy of a Despatch from the Governor of the Gold Coast, reporting the grounds on which he had decided to detain at that station such a portion of the detachment of the 2d West India Regiment as was in a state of efficiency.

His Grace requests to be informed whether the reasons given for this detention appear to Earl de Grey to justify the measure.

I have, &c.

(signed) *T. Frederick Elliot.*

Enclosure 1 in No. 18.

Governor *Pine* to the Colonial Office.

My Lord Duke,

Government House, Cape Coast, 10 October 1863.

I OMITTED to report to your Grace, by the last mail, that I had taken upon myself to detain such a portion of the detachment of the 2d West India Regiment as was in an efficient state, and I trust that the enclosed correspondence which has passed between the Colonel commanding and myself will be considered by your Grace as sufficient justification for my having done so.

2. On the 1st instant, by the usual official return handed to me, the effectives amount to 656 souls, composed of 31 officers, 37 serjeants, 11 drummers, and 577 rank and file; and I take leave to express my satisfaction of the discipline and soldier-like appearance of the corps.

3. Colonel Conran appears to be associated with a body of steady, zealous, and well-conducted officers; so that I have to hope that the military duties will, for the future, be carried on in such manner as to add to the credit already earned by the Commanding Officer.

I have, &c.

(signed) *Richard Pine, Governor.*

Enclosure 2 in No. 18.

Lieutenant Colonel *Conran* to Governor *Pine*.

Sir,

Cape Coast Castle, August 1863.

HER Majesty's troop-ship "Megara," now in harbour, being about to leave, on the 19th instant, with detachments of the 2d and 3d West India Regiments, for Lagos, Sierra Leone, and the West Indies, I have the honour to request that your Excellency will be good enough to inform me as to whether you still consider the retention of the two companies of the 2d West India Regiment in this command necessary, as, in conference with Commodore Wilmot, R.N., commanding Her Majesty's squadron on this coast (a most distinguished officer, who fully understands the intention of the Ashantees towards our Protectorates) and your Excellency but two days ago, it was decided, without dissent that, as hostilities might be expected in a month or two hence, it would not be safe to allow our military strength to be reduced from 600 men to 400, which will be the case if the detachment of the 2d alluded to be withdrawn; while, with an efficient force, a blow can be struck that will bring our enemy to his senses should he repeat his incursions upon our Protectorates.

I beg, also, to point out to your Excellency, that, although I have the highest confidence in the regiment under my command, it is possible, nevertheless, that from the youth of the men, whose age, on an average, does not exceed twenty years, many casualties may arise amongst them in this unhealthy climate from sickness, in the bush, &c., and from which the trained soldier is comparatively free. I am strong in officers and European non-commissioned officers, in whom I have a high opinion, whenever called out, to protect your Excellency's Government.

I beg, therefore, that your Excellency will be good enough to notify to me, for the information of his Royal Highness the Field Marshal Commanding in Chief, the result of your decision as to the retention of the detachment in question, until it can be relieved by one of my own regiments from Jamaica; as, in the event of your Excellency's doing so, I will officer the two companies from the 4th, if necessary, so as to allow those of the 2d to return to England on the expiration of their tour of duty on the coast.

I have, &c.

(signed) *Edward Conran*, Lieutenant Colonel,
Commanding 4th West India Regiment and the Troops.

Enclosure 3 in No. 18.

Governor *Pine* to Lieutenant Colonel *Conran*.

Sir,

Cape Coast Castle, 17 August 1863.

WITH reference to my conference with yourself and Commodore Wilmot on Saturday last, when the question of the expediency of detaining the detachments of the 2d West India Regiment here was fully discussed, I have the honour to request that you will detain such detachments at this station, at all events for the present.

I am induced to take this responsibility upon myself the more readily in consequence of your agreeing with me as to its propriety.

I confidently expect permission from Her Majesty's Government in November next, to take the field against the King of Ashantee; and it is the general belief here that his army will, even prior to that period, recommence its incursions upon the protected territory; and as I feel bound to permit one detachment of the 3d West India Regiment, temporarily serving here, to proceed to Lagos, and another to return to the Government of Sierra Leone, from whence they can be re-procured at short notice, I consider it the more necessary to retain the detachment of the 2d West India Regiment.

I highly approve of your suggestion to permit the Commanding Officer of the 2d West India Regiment to leave for England if it should be so desired.

I have, &c.

(signed) *Richard Pine*, Governor.

— No. 19. —

The War Office to the Military Secretary.

Sir,

War Office, 24 November 1863.

I AM directed by the Secretary of State for War to transmit to you the accompanying copies of a letter from the Colonial Office,* together with its * No. 17, p. 15.

Enclosure, from the Governor of the Gold Coast, in which he requests that another regiment may be sent thither with a view to enable the officer commanding to carry out successfully the contemplated operations against the natives of Ashantee.

In laying these papers before the Field Marshal Commanding in Chief, I am to request that you will acquaint his Royal Highness that Earl de Grey is desirous that no time should be lost in carrying out the design of Her Majesty's Government in sanctioning the establishment of a 5th West India Regiment that two entire regiments should henceforth be stationed on the West Coast of Africa, and with this view his Lordship requests that directions may be at once given for sending thither the remaining wing of the 4th West India Regiment,

Notwithstanding the little progress made in raising the 5th West India Regiment, Earl de Grey is of opinion that the remaining force of black troops in the West Indies may be so re-distributed as to admit of the withdrawal of the wing of the 4th West India Regiment without any serious inconvenience.

I have, &c.

(signed) *Edward Lugard.*

[For reply, see No. 21.]

— No. 20. —

The War Office to the Military Secretary.

Sir,

War Office, 28 November 1863.

I AM directed by the Secretary of State for War to transmit to you, for the information of his Royal Highness the Field Marshal Commanding in Chief, the enclosed copy of a Despatch,* addressed to the Colonial Office by the Governor of the Gold Coast, in which he explains the grounds on which he had determined on detaining at that station a detachment of the 2d West India Regiment.

I have, &c.

(signed) *Edward Lugard.*

— No. 21. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 1 December 1863.

HAVING laid before the Field Marshal Commanding in Chief your letter of the 24th ultimo† (with its Enclosures), expressing the desire of the Secretary of State for War that no time should be lost in sending on the remaining wing of the 4th West India Regiment from Jamaica to Cape Coast Castle, so as to complete the force on the Western Coast of Africa to two entire West India Regiments, to be permanently stationed there, I am directed to request you will acquaint Earl de Grey that his Royal Highness will be glad to meet his Lordship's wishes in this matter, but is desirous of being informed from which of the present stations occupied by black regiments troops are to be withdrawn previously to making the necessary arrangements.

I enclose herewith, for the information of Earl de Grey, a return showing how the whole of the force in the West Indies and the West Coast of Africa will be quartered when all the reliefs now in progress have been carried out.

The extract of a Despatch from Governor Pine to the Duke of Newcastle, dated 12th October 1863, is herewith returned agreeably to your request.

I have, &c.

(signed) *W. F. Forster.*

[For reply, see No. 24, p. 22.]

* Enclosures of
No. 18, pp. 16, 17.

† No. 19.

Enclosure 1 in No. 21.

RETURN showing how the whole of the Force in the West Indies and the West Coast of Africa will be quartered when all the Reliefs now in progress have been carried out.

14th Foot, 1st Battalion	{	7 Companies—Head Quarters, Jamaica.
		3 Companies—Trinidad.
		10 Companies.
21st Foot, 1st Battalion	{	8 Companies—Head Quarters, Barbados.
		2 Companies—Demerara.†
		10 Companies.
1st West India Regiment	{	5 Companies—Head Quarters, Nassau.
		2 Companies—Belize.
		1 Company—Carosal.
		8 Companies.
2d West India Regiment	{	4 Companies—Head Quarters, Barbados.
		2 Companies—Demerara, detaching 50 men to Trinidad.
		2 Companies—Cape Coast Castle; detained until the other wing 4th West India Regiment arrives.
		8 Companies.
3d West India Regiment	{	3 Companies—Head Quarters, Sierra Leone.
		Detachment, Bulama.
		3 Companies—Gambia, furnishing detachments to M ^c Carthy Island, Fort Bullen, Cape St. Mary, &c.
		2 Companies—Lagos.
		8 Companies
4th West India Regiment	{	4 Companies—Head Quarters, Cape Coast Castle.
		4 Companies—Now at Jamaica; to be sent on at once to Cape Coast Castle.
		8 Companies.
5th West India Regiment	-	8 Companies (when raised), Jamaica. By the last return there were only two boys present at Jamaica; but there are about 200 recruits for the corps at St. Helena, awaiting conveyance to Jamaica.

Horse Guards, 1 December 1863.

— No. 22. —

The War Office to the Colonial Office.

Sir,

War Office, 7 December 1863.

I HAVE laid before the Secretary of State for War your letter* of the 21st ultimo, together with its Enclosure, from the Governor of the Gold Coast, in which he refers to the expediency of renewing active operations against the Ashantees. * No. 17, p. 15.

With regard to the recommendation of Governor Pine, that an additional regiment should be sent to the Gold Coast, I am directed by the Secretary of State for War to transmit to you the copy of a letter† which Earl de Grey caused to be addressed to the Horse Guards, requesting that steps might be at once taken for dispatching the remaining wing of the 4th West India Regiment from Jamaica to the West Coast of Africa, together with a copy of one‡ which has been received in reply. † No. 19, p. 17. ‡ No. 21, p. 18.

Earl de Grey will be glad to be favoured with the opinion of the Duke of

Newcastle as to the stations in the West Indies from which the black troops would admit of being temporarily withdrawn or reduced, so as to allow of this reinforcement being at once dispatched to the Coast.

I have, &c.
(signed) *Edward Lugard.*

[For reply, see No. 23]

— No. 23. —

The Colonial Office to the War Office.

Sir,

Downing-street, 18 December 1863.

I HAVE submitted to the Duke of Newcastle your letter of the 7th December.*

* No. 22, p. 19.

His Grace observes that his Royal Highness the Field Marshal Commanding in Chief accedes to the proposal of Earl de Grey, that the wing of the 4th West India Regiment, remaining at Jamaica, should be sent without delay to the Gold Coast; desiring, at the same time, to be informed from what stations in the West Indies black troops are to be taken to replace those withdrawn from Jamaica. But his Royal Highness and Lord de Grey do not appear to contemplate a compliance with the desire expressed by Governor Pine, that not a wing only, but an entire regiment should be sent to the Gold Coast.

The reinforcement would add only two companies to the force on the West Coast of Africa, since, with the arrival of the four companies of the 4th West India Regiment, it is intended that the two companies of the 2d West India Regiment, now at Cape Coast Castle, shall be relieved. The reinforcement, therefore, would merely make up the force on the West Coast of Africa to the amount of two regiments, which is to be the force permanently stationed there; but after a careful consideration of the state of affairs in that quarter, his Grace is desirous to submit to Earl de Grey his opinion that an emergency exists on the Gold Coast at present which requires that a temporary reinforcement of another wing be supplied (to be withdrawn so soon as the emergency shall have passed away); and, as far as he can judge, the present need for black troops in the West Indies is not such as to make it necessary that a reinforcement to this extent should be refused.

In expressing this opinion his Grace would be understood to continue to maintain, as he has always maintained, that the principle of all military proceedings on the West Coast of Africa should be that of defence and not of aggression. It is upon this principle alone that the Governors are authorised to make war; and no invasion of neighbouring territories can be sanctioned unless it can be shown that it is really a defensive measure, safer, less costly in blood and money, and more likely to be decisive in its results, than waiting for an attack which is being prepared, and which no peaceful measure can ward off without loss of that dignity and position which are essential to our security. It cannot be denied that in dealing with savage nations such may be the case; and although his Grace is by no means prepared to affirm with certainty that such is the case on the Gold Coast at the present moment, yet he regards it as quite possible either that it is so, or that it may shortly become so, owing to the loss of military reputation consequent on recent occurrences, and the spirit of presumption and audacity which has been generated amongst the Ashantees.

His Grace feels, therefore, that he cannot refuse to Governor Pine a conditional authority to strike a blow within the Ashantee territory, if such a blow can be struck without making any other or further advance than, in his own opinion, and that of the officers in command, may be consistent with the utmost consideration for the safety of the troops; and provided also he can satisfy himself that the result will be to remove the disastrous impressions caused by the impunity of the Ashantees when they last ravaged the protected territory, and to obtain reparation and secure the peace of the Protectorate. His Grace will impress upon the Governor that these results, and not the gratification of revenge on the part of the protected tribes, or the love of glory of the black troops, would constitute the only justification of an aggressive movement.

His

His Grace observes further, that even if leaving the initiative of aggression to the Ashantees, Governor Pine meditates the necessity of calling on the other African Governors for aid in troops, which those Governors can ill spare, since their removal might lead to native disturbances within their governments and the embodiment of militia corps, the cost of which would fall upon the British treasury.

With these views of the state of affairs on the West Coast of Africa, his Grace has proceeded to consider what are the duties and services for which black troops are required in the West Indies, and what numbers can be spared from the several West Indian garrisons.

Adopting the views which appear to have guided the Defence Committee in their Report on the West India garrisons, and having reference to the Table appended to that Report, his Grace infers that it is in Jamaica alone that it is intended to maintain such fortifications, and such an amount of troops as might be enabled to repel an expeditionary force on the breaking out of a war. The harbour of Port Royal being placed in security with the dockyard, the stores, and the naval hospital, the other West Indian Colonies are to be left to naval protection at the first breaking out of war, whatever other protection may be given to one or another of them afterwards. Thus the two batteries and ten guns proposed to be maintained at Barbados, as well as the defences to be kept up in other Colonies, are not apparently designed to do more than repel a casual and predatory attack, and if the proportion of troops to fortifications and means of defence were to be observed, the garrisons should be on a like scale, and adapted to a similar purpose, so far as foreign warfare is concerned.

Apart from foreign warfare, however, it is necessary that troops should be at hand in the Windward and Leeward Islands command for the purpose of suppressing such local tumults and riots as occasionally occur in one Colony or another, and as have actually occurred within the last ten years in Antigua, British Guiana, Tortola, and St. Vincent's. To afford such aid is the real use and purpose of the garrison at Barbados in time of peace. It consists at present of eight companies of the 21st Foot, and of four companies of the 2d West India Regiment, besides artillery. But for the last thirty years there has not occurred in the Windward and Leeward Islands command any local disturbance of such magnitude as to require that more than 200 men should be detached from Barbados for its suppression: and it may be reasonably believed that the eight companies of European troops would be sufficient for any services of this nature which the garrison will be called upon to render. His Grace is of opinion, therefore, that the four companies of the 2d West India Regiment at Barbados may be regarded as available for the reinforcement of the Gold Coast.

On similar grounds his Grace would regard the two companies, less by 50 men, of the same 2d West India Regiment, which, together with two companies of the 21st Foot, form the garrison of British Guiana, as also available for the Gold Coast. The population of British Guiana is, no doubt, composed of various and in some measure discordant elements, but the only serious disturbance which has occurred there in the last thirty years was such as negro troops are best fitted to suppress, being an attack by the negro population on the immigrant Portuguese population; and it is to the European troops in garrison, with such reinforcements as may be summoned from Barbados, and a militia force now of some strength and efficiency, that the Colony chiefly looks for the suppression of any tumult which may arise.

The detachment of the same 2d West India Regiment at Trinidad, consisting of some 50 men, has been repeatedly represented, as Lord de Grey is aware, to be rather an annoyance to the Colony than an advantage. They are quartered in a building in Port of Spain ill suited for a barrack, where their officers cannot be with them, and they come into frequent collision with the townspeople. The three companies of the 14th Foot would be sufficient for the purposes of the garrison without the 50 men of the 2d West India Regiment.

The number of black troops in the Bahamas it would not be advisable to diminish.

It follows that, in his Grace's opinion, and as far as he can judge of military necessities in the West Indies, the whole of the six companies of the 2d West India Regiment now stationed in the Windward and Leeward Islands command

might be dispensed with ; and these, with the four companies of the 4th West India Regiment to be taken from Jamaica, would make an available force of ten companies, equal (if effect be given to the intention that the four companies of the 4th West India Regiment from Jamaica should relieve the two companies of the 2d West India Regiment now at Cape Coast Castle) to a reinforcement of eight companies, being that asked for by Governor Pine. If, on the other hand, his Royal Highness the Field Marshal Commanding in Chief should not think it necessary that the two companies of the 2d West India Regiment now at Cape Coast Castle should be relieved at once, and they should be left till the present emergency shall have passed away, the amount of reinforcement asked for by Governor Pine might be given by sending him only eight of those ten companies, *i.e.*, the four of the 4th West India Regiment at Jamaica, and any four that might be thought best of the 2d West India Regiment, instead of the whole six.

But there remains the question in what manner to replace the four companies withdrawn from Jamaica, where the garrison is to be kept up with a reference to the possibilities of foreign war.

His Grace considers that if the two companies of the 2d West India Regiment now at Cape Coast Castle be left in Africa for the present, and until the emergency in that quarter shall have passed away, then two companies of the same regiment, now in the Windward and Leeward Islands command, might be sent to Jamaica ; and, on the other hand, if the two companies of the 2d West India Regiment are brought away from Africa, then these companies might be sent to Jamaica. In either case two more companies would still be wanting. But it appears that of the 5th West India Regiment, now in course of formation, there are about 200 recruits at present at St. Helena awaiting conveyance to Jamaica. As there is no immediate prospect of active operations at Jamaica, these recruits might be drilled there in time to meet any occasion that is likely to arise for their services. And as his Grace has reason to anticipate, with some confidence, that in the course of a few months the defence of the Hondo will have been provided for by a colonial armed steamer, he considers it probable that the company of the 1st West India Regiment now stationed at Corosal may, in no long time, be rendered not indispensable there, in which case it might be withdrawn from the garrison of British Honduras, and added to that of Jamaica.

His Grace is not aware whether the detail of duties required from the troops in the West Indian garrisons is such as to make it desirable that in that climate white troops should be assisted by black. If so, and the detail cannot be modified, this consideration will probably affect the judgment of his Royal Highness the Field Marshal Commanding in Chief as to the distribution of such black troops as may be left in the West Indies. What the distribution should be it will be for his Royal Highness to judge according to these considerations. The opinion which the Duke of Newcastle has to offer is that so far as the service and the security of the Colonies is concerned, the presence of black troops, in addition to the existing garrisons of white troops, is not required in Barbados or British Guiana, and that it is positively objectionable (under the present and apparently the only feasible arrangement as to quarters) in Trinidad.

I am to point out, finally, that it is to be desired that Lord de Grey's decision on these questions should be sent out to the West Indies by the mail of the 23d.

I am, &c.
(signed) *Frederic Rogers.*

— No. 24. —

The War Office to the Military Secretary.

Sir,

War Office, 19 December 1863.

* No. 21, p. 18. WITH reference to your letter of the 1st instant,* requesting to be informed from which stations in the West Indies the Secretary of State for War considers that black troops might be withdrawn, so as to admit of the remaining wing of the 4th West India Regiment being dispatched to the West Coast of Africa, I am

am directed by Earl de Grey to transmit to you, for the consideration of the Field Marshal Commanding in Chief, the enclosed copy of a letter received from the Colonial Office on the subject.

His Royal Highness will observe that the Duke of Newcastle is desirous that the reinforcement of troops to be sent to the West Coast of Africa should not be limited to the four companies of the 4th West India Regiment, but that four to six additional companies of black troops, according as it may be determined to retain or dispense with the two companies of the 2d West India Regiment already on the Gold Coast, should be dispatched thither without delay. His Grace has, at the same time, pointed out the stations from which he considers that these companies might safely be withdrawn, as a temporary measure, and until affairs on the Gold Coast shall have resumed their normal condition.

The letter contains general remarks, as well in regard to the amount of black troops to be maintained in the West Indies, as in regard to the policy to be observed by Governors on the West Coast of Africa in their dealings with hostile tribes, which appear to Lord de Grey to be entitled to great weight in connexion with the present demand.

I have, &c.
(signed) *Edward Lugard.*

[For reply, see No. 25.]

— No. 25. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 22 December 1863.

HAVING submitted to the Field Marshal Commanding in Chief your letter* * No. 24, p. 22. of the 19th instant, with its enclosure, from the Colonial Office, respecting the withdrawal of black troops from the West Indies, with a view to reinforcements being sent to the West Coast of Africa, I am directed to request you to acquaint the Secretary of State for War that his Royal Highness regrets he is unable altogether to express his concurrence in the views advanced by the Duke of Newcastle.

His Royal Highness desires me to say that he considers it necessary to maintain black troops at those stations in the West Indies where white troops are quartered.

They occupy posts which cannot be occupied by, and perform duties which cannot be performed by white troops, without subjecting the latter to the certainty of disease and the serious risk of loss of life.

The existing force of black troops in the West Indies cannot be considered excessive, nor, unless other means are devised of performing the duties hitherto furnished by them, can it be diminished without detriment to the health of the European troops.

His Royal Highness is most anxious to meet these unexpected demands on the part of the Secretary of State for the Colonies to the utmost extent that the limited establishment of our West Indian regiments will permit; and to do so, a re-distribution of the West India regiments will be proposed for the approval of the Secretaries of State for War and of the Colonies, which is the nearest approach to the proposal made by the Duke of Newcastle that his Royal Highness can recommend.

His Royal Highness desires me, however, to beg that it may be distinctly understood that a due regard to the health of the European troops forbids his consenting to this distribution, except upon the distinct assurance of the Secretary of State for War that immediate steps shall be taken for the performance of the duties hitherto furnished by the black troops by other means than by throwing them upon the Europeans; that the fatigue duties hitherto furnished by the black troops shall be performed by hired labour; and that in all possible cases where guards of black troops have been furnished for Government buildings and stores, their security shall be provided for by employing policemen or care-takers.

It will be seen that the proposal of his Royal Highness differs in some degree from

from that made by the Duke of Newcastle, inasmuch as his Royal Highness cannot consent to the total withdrawal of black troops from Demerara, where the European garrison consists of only two companies; neither can he agree entirely to denude Jamaica of black troops, for the 5th West India Regiment, having as yet no existence, cannot be taken at all into the present calculation.

He proposes to leave two companies to assist in the performance of the numerous duties at that station, as he considers it unadvisable to allow the garrisoning of Jamaica to depend upon such a contingency as the "probable" colonial arrangements for the defence of Honduras.

It will be seen by the accompanying proposal that if the arrangements at Honduras are sufficiently advanced for it to be possible to spare two companies from that Colony, the whole of the force asked for by the Duke of Newcastle will be provided by his Royal Highness.

If, on the other hand, their services cannot be dispensed with, eight companies will be provided instead of ten.

Further than this his Royal Highness is unable to go, and he is not prepared to undertake the responsibility of recommending or of agreeing to any further diminution of the black troops in the West Indies.

This proposal is based upon what his Royal Highness considers necessary in time of peace, and without any reference to the possibilities of foreign war, alluded to in the Colonial Office letter, a state of affairs for which our military establishments in the West Indies are manifestly inadequate.

Looking upon the proposed distribution as one of a temporary nature, to be strictly confined to the present emergency, I am desirous to beg that arrangements may be made with the Lords Commissioners of the Admiralty for a steam transport to remain upon the coast to bring back the two companies of the 2d, and the four companies of the 1st West Indian Regiment, at the earliest moment that their services can be spared.

It will be observed that the hardship to the 2d West India Regiment of sending it again to the West Coast of Africa immediately upon its return from that station, will be avoided by following the proposal of his Royal Highness.

I have, &c.

(signed) *W. F. Forster.*

[For reply, see No. 28, p. 25.]

Enclosure 1 in No. 25.

PROPOSED Distribution of the West Indian Regiments, in consequence of the Letter from the Colonial Office, dated 18th instant.

1st West India Regiment	- {	4 Companies—Head Quarters, Bahamas. 4 Companies—West Coast of Africa.
2d " "	- {	2 Companies—Head Quarters, Barbados. 1 Company—Demerara. 1 Company—Honduras (Belize). 2 Companies—Jamaica. 2 Companies—West Coast of Africa.
3d " "	-	8 Companies—Head Quarters, West Coast of Africa.
4th " "	-	8 Companies—Head Quarters, West Coast of Africa.
5th " "	-	To be formed at Jamaica. 70 Volunteers at Barbados, &c., and 200 Recruits at St. Helena, are awaiting conveyance to Jamaica for the 5th West India Regiment.

(signed) *W. F. Forster.*

— No. 26. —

The War Office to the Colonial Office.

Sir,

War Office, 23 December 1863.

WITH reference to your letter of the 18th instant, respecting the withdrawal of black troops from the West Indies with a view to sending reinforcements to the

the West Coast of Africa, I am directed by the Secretary of State for War to transmit to you, for the information and consideration of the Duke of Newcastle, the accompanying copy of a letter* from the Horse Guards on the subject. * No. 25, p. 23.

I have, &c.

(signed) *Edward Lugard.*

[For reply, see No. 27.]

— No. 27. —

The Colonial Office to the War Office.

Sir,

Downing-street, 1 January 1864.

I HAVE laid before the Duke of Newcastle your letter† of 23d December, + No. 26. enclosing one from the Horse Guards upon the subject of the withdrawal of black troops from the West Indies, with the view of sending reinforcements to the West Coast of Africa.

His Grace desires me to state that he defers to the opinion of his Royal Highness the Field Marshal Commanding in Chief, that the health of the European troops requires that certain duties should not be performed by white troops in the West Indies, and he will give directions to the Governors of those Colonies in which European troops are employed, that in all possible cases where guards of black troops have been furnished for Government buildings and stores, their security shall be provided for by the employment of policemen or care-takers.

The mode of providing for the fatigue duties referred to by Major General Forster appears to be a matter for Lord de Grey's consideration.

I am to add that his Grace is desirous that only one and not two companies should be withdrawn from British Honduras; and that he acquiesces in the rest of the arrangement proposed.

I am, &c.

(signed) *Frederic Rogers.*

— No. 28. —

The War Office to the Military Secretary.

Sir,

War Office, 1 January 1864.

I AM directed by the Secretary of State for War to acknowledge receipt of your letter,‡ dated 22d ultimo, respecting the re-distribution of black troops in ‡ No. 25, p. 23. the West Indies, with a view to sending reinforcements to the West Coast of Africa.

In reply, I am to request that you will acquaint his Royal Highness the Field Marshal Commanding in Chief, that having referred his Royal Highness's proposals on this subject for the consideration of the Duke of Newcastle, Earl de Grey has received a reply (copy enclosed), in which his Grace signifies his concurrence in the scheme proposed, and states that he will give directions to the Governors of those Colonies in which European troops are employed, that in all possible cases where guards of black troops have been furnished for Government buildings and stores their security shall be provided for by the employment of policemen or care-takers.

His Royal Highness will observe that the Duke of Newcastle is desirous that only one and not two companies should be withdrawn from British Honduras.

With regard to the proposal of his Royal Highness that the fatigue duties hitherto furnished by black troops should be performed by hired labour, I am to state that Earl de Grey concurs in this as a temporary arrangement, and requests that the officers commanding may be instructed to report to this office the number of men employed on this duty, and the rate of wages paid.

I have, &c.

(signed) *Edward Lugard.*

[For reply, see No. 31, p. 27.]

— No. 29. —

The Deputy Quartermaster General to the Admiralty.

Sir,

Horse Guards, 2 January 1864.

HER Majesty's Government having approved of a re-distribution of the West India regiments serving in the West Indies, in order to enable a reinforcement of seven companies to be sent to the West Coast of Africa (Cape Coast Castle), I have the honour, by desire of his Royal Highness the Field Marshal Commanding in Chief, to request that the Lords Commissioners of the Admiralty will have the goodness to provide a vessel to carry out the several movements according to the enclosed return.

I may add that Her Majesty's Government are desirous that these movements should take place as early as practicable.

I have, &c.

(signed) *Percy E. Herbert,*
Deputy Quartermaster General.

[For reply, see No. 30, p. 27.]

Enclosure in No. 29.

MOVEMENTS to be performed to carry out the views of Her Majesty's Government, relative to the Re-distribution of the West India Regiments, and to forwarding Reinforcements to the West Coast of Africa.

CORPS.	STRENGTH.					Port of Embarkation.	Vessel to proceed to	Destination of Troops.	Remarks.
	Companies.	Officers.	Men.	Soldiers' Wives.	Soldiers' Children.				
2nd West India Regiment	2	7	220	20	24	Barbados -	Trinidad -	Jamaica. Corosal. Jamaica.	
2nd " " "	$\frac{1}{2}$	1	55	5	6	Ditto -			
5th " " "	Volunteers	—	76	—	—	Ditto -			
TOTAL - - -	2 $\frac{1}{2}$	8	351	25	30				
2nd West India Regiment	2	7	220	20	24	Ditto -	Belize -	Jamaica. Corosal. Jamaica. Corosal.	
2nd " " "	$\frac{1}{2}$	1	55	5	6	Ditto -			
5th " " "	Volunteers	—	76	—	—	Ditto -			
2nd " " "	$\frac{1}{2}$	2	54	—	—	Trinidad -			
TOTAL - - -	3	10	405	25	30				
2nd West India Regiment	2	7	220	20	24	Barbados -	Corosal -	Jamaica. Corosal - - - Jamaica. Corosal - - - Cape Coast Castle.	To be landed. Ditto.
2nd " " "	$\frac{1}{2}$	1	55	5	6	Ditto -			
5th " " "	Volunteers	—	76	—	—	Ditto -			
2nd " " "	$\frac{1}{2}$	2	54	—	—	Trinidad -			
1st " " "	1 $\frac{1}{2}$	5	135	—	—	Belize -			
TOTAL - - -	4 $\frac{1}{2}$	15	540	25	30				
2nd West India Regiment	2	7	220	20	24	Barbados -	Jamaica -	Jamaica - - - Ditto - - - Cape Coast Castle. Ditto.	Ditto. Ditto.
5th " " "	Volunteers	—	76	—	—	Ditto -			
1st " " "	1 $\frac{1}{2}$	5	135	—	—	Belize -			
1st " " "	$\frac{1}{2}$	1	45	—	—	Corosal -			
TOTAL - - -	4	13	476	20	24				
1st West India Regiment	1 $\frac{1}{2}$	5	135	—	—	Belize -	Cape Coast Castle	Ditto - - - Ditto - - - Ditto - - - Ditto - - -	Ditto. Ditto. Ditto. Ditto.
1st " " "	$\frac{1}{2}$	1	45	—	—	Corosal -			
1st " " "	1	3	100	—	—	Jamaica* -			
4th " " "	4	12	350	20	21	Ditto -			
TOTAL - - -	7	21	630	20	21				

* In the event of the Company not having arrived at Jamaica from Nassau at the time Her Majesty's troop ship reaches the former station, it is requested that the vessel may call at Nassau on her way from Jamaica to Cape Coast Castle, to take the Company on board. There may probably be some officers' families to proceed from station to station, but there is no document in this office to show the numbers.

Horse Guards, 1 January 1864.

(signed) *Percy E. Herbert,*
Deputy Quartermaster General.

— No. 30. —

The Admiralty to the Quartermaster General.

Sir,

Admiralty, 5 January 1864.

WITH reference to Colonel Herbert's letter* of the 2d instant, requesting * No. 29, p. 26. that a vessel may be provided to carry out the re-distribution of West India regiments serving in the West Indies, and to convey reinforcements to Cape Coast Castle, as therein detailed, I am commanded by my Lords Commissioners of the Admiralty to state, for the information of his Royal Highness the Field Marshal Commanding in Chief, that Her Majesty's ship "Tamar" has been ordered to perform this service, and will be ready on the 8th instant to proceed from Devonport to Barbados.

The "Tamar," after landing troops at Cape Coast Castle, will proceed to Gibraltar for further orders.

I am, &c.
(signed) *W. G. Romaine.*

— No. 31. —

The Military Secretary to the War Office.

Sir,

Horse Guards, 14 January 1864.

WITH reference to your letter of the 1st instant,† I am directed by the † No. 28, p. 25. Field Marshal Commanding in Chief to inform you that, as it appears the Duke of Newcastle is desirous that only one and not two companies should be withdrawn from British Honduras, his Royal Highness has caused instructions to be issued for the distribution of the West India regiments as follows, viz. :—

1st West India Regiment	-	-	-	-	4 Companies—Head Quarters, Bahamas. 3 Companies—Cape Coast Castle. 1 Company—Belize, Honduras.
2d	"	"	-	-	2 Companies—Head Quarters, Barbados. 1 Company—Demerara. 1 Company—Corosal, Honduras. 2 Companies—Jamaica. 2 Companies—Cape Coast Castle.
3d	"	"	-	-	3 Companies—Head Quarters, Sierra Leone. 3 Companies—Gambia. 2 Companies—Lagos.
4th	"	"	-	-	8 Companies—Head Quarters, Cape Coast Castle.
5th	"	"	-	-	8 Companies—Head Quarters, Raising at Jamaica.

I have, &c.
(signed) *W. F. Forster.*

— No. 32. —

Lieutenant Colonel *Conran* to the Quartermaster General.

Sir,

Brigade Office, Cape Coast Castle, 11 April 1864.

I HAVE the honour to acquaint you, for the information of his Royal Highness the Field Marshal Commanding in Chief, that H.M.S. "Tamar" arrived here on the 9th instant with seven companies of the 1st and 4th West India Regiments, under the command of Major Anton of the former corps.

The disembarkation return of the troops I beg leave to enclose.

I have, &c.
(signed) *E. Conran*, Lieut. Colonel,
Commanding Troops.

— No. 33. —

The War Office to the Military Secretary.

Sir,

War Office, 21 May 1864.

I HAVE laid before the Secretary of State for War your letter of the 19th instant, together with its enclosure, from the officer commanding the troops on the Gold Coast, in which he reports, that in consequence of the rains having commenced, all active operations against the Ashantees had been suspended.

In returning to you Colonel Conran's letter, I am to transmit, for the information of the Field Marshal Commanding in Chief, the accompanying copy of one which has been addressed to that officer by Earl de Grey's directions, conveying the decision which has been come to by Her Majesty's Government, that all Her Majesty's troops in excess of one battalion shall be at once withdrawn from the coast.

I am to add that the Lords Commissioners of the Admiralty have been instructed to provide the necessary transport.

I have, &c.

(signed) *Edward Lugard.*

— No. 34. —

The War Office to Lieutenant Colonel Conran.

Sir,

War Office, 21 May 1864.

I AM directed by the Secretary of State for War to acquaint you, that the Field Marshal Commanding in Chief has communicated to Earl de Grey your letter, dated 13th ultimo, from which it appears that in consequence of the rains having commenced, you had found it necessary to withdraw from the Prah all the troops, except a small detachment, which you had retained there as a guard over the stores and ammunition.

Despatches have also been received by the Secretary of State for the Colonies from Governor Pine, containing full information as to the state of affairs then existing on the coast.

The information contained in these reports has satisfied Her Majesty's Government that the considerable force now serving at this station ought not to be allowed to remain there longer, and that immediate steps should therefore be taken for reducing the garrison to what can be properly accommodated in the healthier quarters on the coast.

Governor Pine has accordingly been instructed to take measures in concert with yourself for handing over to the native chiefs, whose interests and duty it is to defend the frontier of their own territory, the stockades which have been erected to guard the passes of the river; to remove to the coast such portion of the stores as, considering the difficulty of transport, it may be desirable to bring away; to give over to the friendly chiefs such stores as it is impossible or not worth while to remove; and to bring down the whole of the Queen's troops as rapidly as possible to the healthier stations.

Earl de Grey desires that you will consider yourself fully empowered to dispose of all stores belonging to this department in such manner as you and the Governor may deem best, so as to soften any disappointment which may be felt by the chiefs at the necessary withdrawal of the Queen's troops.

I am, however, to impress upon you the necessity of especial care being taken that no stores of any kind are left in such an exposed position as to be likely to fall into the hands of the Ashantees. This remark especially applies to guns and ammunition.

I am further to acquaint you, that in accordance with the above decision, the Lords Commissioners of the Admiralty have been requested to provide the necessary transport for bringing away from the Gold Coast all troops in excess of one battalion.

You will receive more precise instructions for your guidance on the subject from his Royal Highness the Field Marshal Commanding in Chief.

I have, &c.

(signed) *Edward Lugard.*

— No. 35. —

The Colonial Office to the War Office.

Sir,

Downing-street, 23 May 1864.

I AM directed by Mr. Secretary Cardwell, to transmit to you, for the information of Earl de Grey, the copy of a Despatch which he has addressed to the officer administering the government of the Gold Coast, stating the views of Her Majesty's Government relative to any further operations against the Ashantees.

I have, &c.

(signed) *T. Frederick Elliot.*

Enclosure in No. 35.

The Colonial Office to the Officer administering the Government of the Gold Coast.

Sir,

Downing-street, May 1864.

I HAVE received, with great concern, your Despatch of 7th April, informing me that Governor Pine had been compelled to leave Cape Coast for the purpose of taking a cruise for the restoration of his health. I earnestly hope that he may return restored in health and vigour to the duties of his office, rendered by recent occurrences so full of unusual anxiety and labour. I much fear, though I have not received from Governor Pine, or from you, any official information on the subject in detail, that the effect of the rainy season on the health of the officers and men has been already very serious.

In his letter to me of 5th April, Governor Pine enclosed a correspondence between himself and Lieutenant Colonel Conran, from which it appeared that Lieutenant Colonel Conran had found it absolutely necessary to send away from Prah camp and Swaidroo all the troops except three companies, whom he proposed to retain to guard the accumulated stores and ammunition, while Governor Pine doubted the practicability of keeping up the detachments which Lieutenant Colonel Conran purposed should remain as a guard during the coming months, and suggested that he should meet Lieutenant Colonel Conran in consultation on the subject. This proposal does not appear to have taken effect, in consequence of the necessity which arose for Governor Pine to leave the Colony for the restoration of his health. Under these circumstances, I feel it to be my duty to instruct you to take measures, in concert with the officer in command of the troops, for handing over to the native chiefs, whose interest and duty it is to defend the frontiers of their own territory, the stockades which have been erected to guard the passes of the river Prah; to remove to the coast such portion of the stores as, considering the difficulty of transport, it may be desirable to remove; to give to the friendly chiefs such stores as it is impossible, or not worth while to remove, or such as may be especially useful to them in their defensive measures; and to bring down the whole of the Queen's forces as rapidly as possible to the healthier quarters on the coast.

Instructions will be sent by this mail from the Secretary of State for War to the officer in command of the forces to the same effect, and liberal powers will be given to that officer for the disposal of stores belonging to the department of the Secretary of State for War, in order that you may be able to soften any disappointment which may be felt by the chiefs at this necessary withdrawal of the Queen's troops.

You will, above all things, take especial care, in concert with the officer in command, that no stores of any kind are left in such an exposed state as to be likely to fall into the hands of the Ashantees, and so afford them a cause of triumph. This remark especially applies to guns of all kinds, and other military stores.

It appears that the number of troops upon the coast will now be more than double the number for which the buildings will afford accommodation, and that the removal of a considerable number will be necessary for their own health and comfort, and for the health and comfort of those who are left behind. Immediate arrangements, therefore, are intended to be made by the War Department for reducing the force at your disposal to its normal strength, and removing the remainder from the coast.

It may be hoped that the display of force made during the last few months will not have been without its due effect both on the Ashantee enemy and on the friendly native chiefs; and that the cessation of the rains may not bring with it the necessity for a renewal of warlike preparations on your part to defend yourself or the friendly native population from wanton attack. Under the now altered circumstances of the case, I do not propose to renew the conditional permission given by the Duke of Newcastle to Governor Pine to strike a blow within the territory of Ashantee.

To take immediate steps for securing, as far as possible, the health and comfort of the officers and men is now the first and paramount duty for the Government.

You will keep me fully informed of everything which tends to show the disposition of the Ashantees, and as no military operations on our part will now be possible for several months, I content myself at present with instructing you to use your best efforts to avert the renewal of the war; to induce the native chiefs to rely on their own power and energy to a much greater extent than appears to have been their habit of late, and to avoid the

necessity

necessity of again bringing to the settlement a number of the Queen's troops too great to be properly accommodated on the coast, with the certainty that all who go inland will be exposed to the most serious risk of health and life.

I have, &c.
(signed) *E. Cardwell.*

(Urgent.)

— No. 36. —

The War Office to the Admiralty.

Sir,

War Office, 21 May 1864.

I AM directed by the Secretary of State for War to inform you that Her Majesty's Government have decided to remove all troops in excess of the ordinary peace garrison of one battalion from the Gold Coast, and the Quartermaster General has been instructed to place himself in communication with your department, so that steps may be taken for providing conveyance for the necessary detail.

I am, &c.
(signed) *Edward Lugard.*

(Urgent.)

— No. 37. —

The War Office to the Quartermaster General.

Sir,

War Office, 21 May 1864.

I AM directed by the Secretary of State for War to request, that as it has been determined by Her Majesty's Government to remove all troops from the Gold Coast in excess of the ordinary peace garrison of one battalion, you will communicate the particulars as to the strength which requires removal to the Lords Commissioners of the Admiralty, who have this day been instructed that you have been placed in correspondence with them on the subject.

I have, &c.
(signed) *Edward Lugard.*

— No. 38. —

The Admiralty to the War Office.

Sir,

Admiralty, 4 June 1864.

I AM commanded by my Lords Commissioners of the Admiralty to request you will state to the Secretary of State for War, that a ship for conveying troops from the West Coast of Africa to the West Indies has been surveyed and approved, and will be ready to sail in about a fortnight.

I have, &c.
(signed) *C. Paget.*

— No. 39. —

The Admiralty to the War Office.

Sir,

Admiralty, 16 June 1864.

WITH reference to your letter of the 21st May,* and the subsequent communication from the Horse Guards of the 26th May, requesting freight for the conveyance of troops from Cape Coast Castle to the West Indies, my Lords Commissioners of the Admiralty are of opinion that it would expedite the removal of these troops, if the "Gladiator," which vessel will to-morrow complete her present service, and will then be available, was ordered at once to Cape Coast Castle, to embark the troops and proceed to the Cape de Verde Islands, calling at Sierra Leone on the way. The troops would then be transhipped to the hired transport, and proceed in her to the West Indies.

Should this arrangement meet with the approval of Earl de Grey and Ripon, my Lords will give the necessary orders for the "Gladiator" to be got ready.

I am, &c.
(signed) *C. Paget.*

[For reply see No. 40, p. 31.]

* No. 36.

(Urgent.)

— No. 40. —

The War Office to the Admiralty.

Sir,

War Office, 17 June 1864.

I AM directed by the Secretary of State for War to acknowledge the receipt of your letter of the 16th instant,* proposing that Her Majesty's ship "Gladiator" * No. 39, p. 30. be at once ordered to Cape Coast Castle to embark the troops, and proceed to the Cape de Verde Islands, calling at Sierra Leone on the way, and then transshipping the troops to the hired transport, which will convey them to the West Indies, and I have to inform you that his Lordship concurs in that proposal.

I have, &c.

(signed) *J. Crofton*, Major General.

(Immediate.)

— No. 41. —

The War Office to the Quartermaster General.

Sir,

War Office, 17 June 1864.

I AM directed by the Secretary of State for War to transmit to you the enclosed copy of a letter received from the Admiralty, and to acquaint you that Earl de Grey has signified to the Lords Commissioners his approval of the course proposed for the removal of the troops from Cape Coast Castle in Her Majesty's ship "Gladiator."

I have, &c.

(signed) *J. Crofton*, Major General.

— No. 42. —

The Admiralty to the War Office.

Sir,

Admiralty, 17 June 1864.

I AM commanded by my Lords Commissioners of the Admiralty to acquaint you, for the information of the Secretary of State for War, that Her Majesty's ship "Gladiator" will proceed to-morrow evening, the 18th instant, to Sierra Leone and Cape Coast Castle, and any letters to be conveyed by her should be sent by this night's post to the office of the Commander in Chief at Devonport.

I have, &c.

(signed) *A. W. Innes*.

— No. 43. —

Lieutenant Colonel *Conran* to the War Office.

Sir,

Brigade Office, Cape Coast Castle, 12 July 1864.

I HAVE the honour to acknowledge the receipt of a War Office communication of the 21st May last,† (numbered as per margin), acquainting me with the decision of Her Majesty's Government, respecting the state of affairs on this coast, and in reply, beg leave to report, for the information of the Secretary of State for War, that the instructions contained therein have been fully carried out, and that the troops have been brought to the coast, and are ready for embarkation for the West Indies, on transport being provided. † No. 34, p. 28.

The stockades, houses, and provisions in the camps have been delivered over to the native chiefs in accordance with the orders referred to, upon which a full report in detail will be submitted by to-morrow's mail to the Military Secretary, Horse Guards.

I have, &c.

(signed) *Edw. Conran*, Lieut. Col., 4th W. I. Regiment,
Commanding Troops.

The guns, stores, and provisions have been disposed of, upon which a detailed report will be forwarded by the August mail.

GOLD COAST.

COPY of CORRESPONDENCE from or to the War Department relating to the Detail of Troops for the *Gold Coast* in 1863 and 1864, including Requisitions for TRANSPORT to the Admiralty, and CORRESPONDENCE with the Military Authorities on the West India or Coast of Africa Military Commands on the subject.

(*Sir John Hay.*)

*Ordered, by The House of Commons, to be Printed,
22 February 1865.*

RETURN to an Address of the Honourable The House of Commons,
dated 2 March 1865;—for,

A “RETURN showing the Total Number of BATTALIONS of INFANTRY in the BRITISH ARMY, the INDIAN LOCAL EUROPEAN ARMY, and the EMBODIED MILITIA (exclusive of the Foot Guards and Colonial Corps), with their Distribution at Home, in the Colonies, and in *India*, from 1863 to the present time (in continuation of Parliamentary Paper, No. 85, of Session 1863”).

War Office, }
10 March 1865.

HARTINGTON.

RETURN showing the Total Number of BATTALIONS of INFANTRY in the BRITISH ARMY, the INDIAN LOCAL EUROPEAN ARMY, and the EMBODIED MILITIA (exclusive of the Foot Guards and Colonial Corps), with their Distribution at Home, in the Colonies, and in *India*, on the 1st day of April of each year, from 1863 to 1865 inclusive.

Y E A R S.	Number of Battalions of Infantry of the British Army (exclusive of Foot Guards and Colonial Corps.)				European Local Regiments in <i>India</i> .	Number of Embodied Regiments of Militia.
	At Home.	In the Colonies.	In <i>India</i> .	Total Line.		
1 April 1863 - -	40	46	55	141	Nil.	Nil.
1 April 1864 - -	37	49	55	141	Nil.	Nil.
1 April 1865 - -	42	* 46	53	141	Nil.	Nil.

* Five of these regiments, now in New Zealand, are under orders to return to England.

War Office, 10 March 1865.

A R M Y.

RETURN showing the Total Number of BATTALIONS of INFANTRY in the BRITISH ARMY, the INDIAN LOCAL EUROPEAN ARMY, and the EMBODIED MILITIA (exclusive of the Foot Guards and Colonial Corps), with their Distribution at Home, in the Colonies, and in *India*, from 1863 to the present time (in continuation of Parliamentary Paper, No. 85, of Session 1863.)

(*Mr. William Edward Forster.*)

*Ordered, by The House of Commons, to be Printed,
28 March 1865.*

ARMY (MANUFACTURING ESTABLISHMENTS).

RETURN to an Address of the Honourable The House of Commons,
dated 30 June 1865;—for,

“RETURN of the ANNUAL ACCOUNTS of the several MANUFACTURING
ESTABLISHMENTS under the WAR OFFICE for the Year 1863-4 (in
continuation of Parliamentary Paper, No 392, of Session 1864).”

War Office, }
3 July 1865. }

HARTINGTON.

(*Marquis of Hartington.*)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

SCHEDULE of BALANCE SHEETS and SUPPORTING DOCUMENTS for the
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— No. 1. —

ROYAL CARRIAGE DEPARTMENT, WOOLWICH ARSENAL.

(A).—BALANCE SHEET of the ROYAL CARRIAGE DEPARTMENT, ROYAL ARSENAL, WOOLWICH, 1863-64.

Dr.

Cr.

To Balance :	£.	s.	d.	£.	s.	d.	By Balance :	£.	s.	d.	£.	s.	d.	
For Stores in Stock on the 1st April 1863 - - -	352,366	7	11				For Stores in Stock on the 31st March 1864 - - -	375,763	8	2½				
For semi-manufactured Articles in Stock on the 1st April 1863 - - - - -	37,495	5	2				For semi-manufactured Articles in Stock on the 31st March 1864 - - - - -	35,555	19	2½	411,319	7	5	
				389,861	13	1								
To Army Supplies, 1863-4— For Cash advanced through the Paymaster General and expended on the following Services during the year ended 31st March 1864 :							By Capital Account :							
Salaries - - - - -	5,715	15	7				For New Buildings added during 1863-4 - - - -	3,224	11	4				
Wages - - - - -	103,579	16	8				For New Machinery added during 1863-4 - - - -	3,379	5	6	6,603	16	10	
Wages to Men invalided upon Medical Certificate	1,635	1	-				By Production Account :							
Stores, Materials, &c. - -	96,208	16	11½				For Work performed for other Departments during 1863-4	7,126	6	-				
Manufactured Articles - -	1,443	7	2				For General Service Repairs performed during 1863-4 -	9,079	8	5				
Miscellaneous Services - -	574	16	7				For Work performed in the Drawing Office during 1863-4	765	2	-				
Gas and Repairs to Fittings, &c. - - - - -	994	10	6				For New Patterns added during 1863-4 - - - - -	709	6	-				
Water - - - - -	180	-	-				For Articles made new during 1863-4, per Statement B -	141,766	5	-				
Police - - - - -	1,333	-	-				For Articles converted during 1863-4, per Statement C -	35,333	3	-	194,779	10	5	
Military Train Contract, Horses, Carts, Drivers, &c.	666	18	9				By Sundry Departments :							
Divine Service - - - -	107	10	-				For Stores issued during 1863-4 - - - - -	654	14	-				
Medical Department - -	372	19	3				For Unserviceable Stores issued for Sale during 1863-4 -	4,054	9	8				
Library - - - - -	13	15	-				For Manufactured Articles procured by Contract and issued during 1863-4 - -	1,443	7	2	6,152	10	10	
Schools - - - - -	31	4	10											
Military Pay of Officers -	848	12	6											
Repairs to Buildings - -	1,273	19	11											
Repairs to Machinery - -	54	12	-											
New Buildings - - - -	3,224	11	4											
New Machinery - - - -	3,379	5	6											
Superannuations and Gratuities - - - - -	1,274	7	11											
Rent of Official Residences	200	-	-											
				223,113	1	5½								
To Miscellaneous Services, 1863-4— —For Expenditure not defrayed out of Army Supplies, viz. :							Memorandum.—The above results are exclusive of any charge for depreciation on Plant, &c. If a charge be raised for this Item, viz. at 5 and 10 per cent. on Buildings and Machinery respectively, it would amount to 7,731 l. 11 s. 2½ d., and the cost of Production would be enhanced by 3·96939 per cent. (see separate Statement of Capital Account). The Direct Expenditure is charged to the work as executed. The indirect Expenditure at the end of the year is then distributed, <i>pro rata</i> , over the work performed, the general result being that this expenditure is proportioned according to the amount expended upon labour and material combined.							
Stationery - - - - -	300	14	8											
Rates - - - - -	400	-	-											
				700	14	8								
To Sundry Departments, 1863-4— —For Stores, &c., received from various Sources - - - -	5,179	16	3½	5,179	16	3½								
				£.	618,855	5	6				£.	618,855	5	6

Memorandum.—The above results are exclusive of any charge for depreciation on Plant, &c. If a charge be raised for this Item, viz. at 5 and 10 per cent. on Buildings and Machinery respectively, it would amount to 7,731 l. 11 s. 2½ d., and the cost of Production would be enhanced by 3·96939 per cent. (see separate Statement of Capital Account). The Direct Expenditure is charged to the work as executed. The indirect Expenditure at the end of the year is then distributed, *pro rata*, over the work performed, the general result being that this expenditure is proportioned according to the amount expended upon labour and material combined.

H. W. S. Whiffin,
Chief Auditor.

(signed) H. Clerk,
Superintendent, Royal Carriage Department.

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH ARSENAL—*continued.*

(B.)—RETURN of STORES Made New in the ROYAL CARRIAGE DEPARTMENT, between the 1st April 1863 and 31st March 1864; together with those received from Contractors, and Inspected and Completed, previous to their Delivery to the Principal Superintendent of Stores.

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Arms, wood - - - - -	1	- 6 -	- 10 -	- 5 -	1 1 -
Axletrees, wood, fore and hind (Armstrong's) - -	170	17 4 -	119 1 -	44 17 -	181 2 -
„ wood, fore and hind, smooth bore - -	489	57 17 -	300 2 -	117 16 -	475 15 -
„ iron transporting (Armstrong's) - -	214	195 8 -	179 15 -	123 9 -	498 12 -
„ iron transporting, smooth bore - -	161	140 6 -	129 2 -	88 13 -	358 1 -
„ with pins and washers (Armstrong's) - -	4	3 16 -	3 11 -	2 8 -	9 15 -
„ with pins and washers, smooth bore - -	38	30 10 -	21 19 -	17 5 -	69 14 -
„ transporting with wheels, and 1 limber with wheels - - - - -	177	119 18 -	78 15 -	65 7 -	264 - -
„ wagons - - - - -	112	66 - -	38 4 -	34 6 -	138 10 -
„ iron - - - - -	142	141 13 -	104 4 -	80 18 -	326 15 -
Anchors for pontoons - - - - -	16	12 1 -	5 7 -	5 15 -	23 3 -
Aprons for vents - - - - -	258	11 8 -	96 - -	35 7 -	142 15 -
Backs, of sorts - - - - -	8	- 16 -	- 13 -	- 10 -	1 19 -
Bags, canvas - - - - -	4	- 2 -	- 4 -	- 2 -	- 8 -
Barrows, hand, or powder - - - - -	19	15 4 -	44 2 -	19 10 -	78 16 -
„ wheel - - - - -	4	11 3 -	5 9 -	5 9 -	22 1 -
Baskets, ambulance wagon - - - - -	3	- - -	- 9 -	- 3 -	- 12 -
Bars, splinter - - - - -	82	29 2 -	15 3 -	14 11 -	58 16 -
„ directing - - - - -	62	454 17 -	465 2 -	302 14 -	1,222 13 -
„ of sorts - - - - -	43	7 1 -	11 1 -	5 19 -	24 1 -
„ crab capstan - - - - -	14	2 19 -	4 12 -	2 10 -	10 1 -
Battens, not bevelled - - - - -	46,000	53 1 -	104 17 -	51 19 -	209 17 -
„ bevelled - - - - -	69,000	20 16 -	41 6 -	20 9 -	82 11 -
Baulks, pontoon - - - - -	178	16 9 -	50 3 -	21 18 -	88 10 -
Beds, for carriages (Armstrong's) land service -	7	2 11 -	5 6 -	2 12 -	10 9 -
„ „ „ sea service - - - - -	513	235 19 -	445 4 -	224 2 -	905 5 -
Beds, for carriages, smooth bore, land service -	154	40 9 -	99 13 -	46 2 -	186 4 -
„ „ „ sea service - - - - -	432	248 5 -	580 4 -	272 12 -	1,101 1 -
Beds, for mortars, wood - - - - -	25	28 8 -	19 7 -	15 14 -	63 9 -
„ for mortars, iron - - - - -	13	25 16 -	150 19 -	58 3 -	234 18 -
„ stool, wood - - - - -	30	19 - -	23 5 -	10 19 -	44 4 -
„ stool, iron - - - - -	3	2 14 -	1 7 -	1 7 -	5 8 -
„ wood, wagon - - - - -	70	6 3 -	3 4 -	3 2 -	12 9 -
„ hair for holsters, lbs. - - - - -	lbs. oz. 14,966 14	11 1 -	- - -	3 13 -	14 14 -
Bearers, trace - - - - -	72	- 7 -	1 7 -	- 11 -	2 5 -
Blocks (Bothway's) 5 inch - - - - -	5	2 4 -	- 16 -	1 - -	4 - -
„ „ 6-inch - - - - -	29	4 1 -	2 8 -	2 2 -	8 11 -
„ „ 12-inch - - - - -	12	2 11 -	29 5 -	10 9 -	42 5 -
„ „ 8-inch - - - - -	19	15 15 -	9 16 -	8 8 -	33 19 -
„ „ 3-inch - - - - -	20	1 13 -	- 9 -	- 14 -	2 16 -
„ wood, elm - - - - -	61	4 2 -	15 3 -	6 7 -	25 12 -
„ wood, or cleats for carriages - - - - -	2,951	80 - -	152 9 -	76 10 -	308 19 -
„ wood, spare wheel - - - - -	16	3 18 -	5 19 -	3 5 -	13 2 -
„ shot - - - - -	200	12 2 -	13 6 -	8 7 -	33 15 -
„ wood, single - - - - -	7	1 - -	- 12 -	- 11 -	2 3 -
„ wood, double - - - - -	10	3 18 -	1 4 -	1 14 -	6 16 -
„ wood, chopping - - - - -	208	99 11 -	199 9 -	98 8 -	397 8 -
Bodies, for ammunition wagons - - - - -	1	5 11 -	3 6 -	2 18 -	11 15 -
„ for limbers - - - - -	8	- 10 -	- 2 -	- 4 -	- 16 -
Bolts, tire - - - - -	640	- 18 -	1 10 -	- 15 -	3 3 -
„ metal housing - - - - -	338	40 10 -	321 14 -	119 3 -	481 7 -
„ copper - - - - -	48	- 5 -	6 12 -	2 5 -	9 2 -
„ iron - - - - -	66	10 9 -	8 2 -	6 2 -	24 13 -
„ of sorts - - - - -	416	54 12 -	41 12 -	31 13 -	127 17 -
„ fighting - - - - -	11	2 15 -	2 2 -	1 12 -	6 9 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Boxes, ammunition (Armstrong's), land service -	627	27 14 -	56 15 -	27 16 -	112 5 -
" " " " sea service -	12	15 7 -	13 9 -	9 10 -	38 6 -
" " " " smooth bore, land service -	56	1 15 -	12 11 -	4 14 -	19 - -
" pipe -	99	2 7 -	6 2 -	2 16 -	11 5 -
" tin, small stores -	692	74 17 -	90 7 -	54 7 -	219 11 -
" shot or shell (Armstrong's) -	5,055	152 12 -	1,064 12 -	400 10 -	1,617 14 -
" " " " smooth bore -	3,248	101 - -	704 10 -	265 1 -	1,070 11 -
" wood axle -	168	60 8 -	110 5 -	56 3 -	226 16 -
" small-arm ammunition -	407	12 9 -	41 19 -	17 18 -	72 6 -
" match (Armstrong's) -	4	1 9 -	1 5 -	- 18 -	3 12 -
" " " " smooth bore -	15	6 7 -	5 13 -	3 19 -	15 19 -
" platform wagon -	5	4 17 -	3 3 -	2 13 -	10 13 -
Breechings, gun -	6	- 13 -	16 6 -	5 12 -	22 11 -
Buckets, sponge -	155	69 1 -	49 17 -	39 2 -	158 - -
Buoys -	16	2 - -	1 9 -	1 3 -	4 12 -
Buckles, of sorts -	10,000	32 13 -	14 1 -	15 7 -	62 1 -
Boxes, medical, long -	131	127 13 -	98 16 -	74 10 -	300 19 -
" " " " short -	165	84 7 -	74 18 -	52 8 -	211 13 -
" " " " comfort -	116	129 8 -	114 - -	80 2 -	323 10 -
" elevating, screw -	1	1 5 -	1 10 -	- 18 -	3 13 -
Bevils, wide -	10,000	3 13 -	9 8 -	4 6 -	17 7 -
" " " " narrow -	40,000	11 18 -	25 2 -	12 3 -	49 3 -
Bits, coking -	6	2 18 -	1 17 -	1 11 -	6 6 -
Braces, pontoon -	48	- 2 -	2 14 -	- 18 -	3 14 -
Brackets, copper -	432	4 6 -	11 14 -	5 5 -	21 5 -
Butt, slips -	12,000	16 3 -	30 9 -	15 7 -	61 19 -
Cables, pontoon -	16	- 8 -	35 14 -	11 18 -	48 - -
Cans, oil, lubricating -	188	10 19 -	9 11 -	6 15 -	27 5 -
Canvas, yards -	600	1 14 -	45 7 -	15 10 -	62 11 -
Capstans, crab -	24	122 17 -	79 10 -	66 12 -	268 19 -
Caps, sponge (Armstrong's) -	77	1 11 -	1 13 -	1 1 -	4 5 -
" " " " smooth bore -	300	6 15 -	6 10 -	4 7 -	17 12 -
" muzzle, mortar -	73	2 7 -	2 5 -	1 10 -	6 2 -
" wood, pivot -	268	5 12 -	34 2 -	13 1 -	52 15 -
" metal, pivot -	40	4 5 -	20 3 -	8 1 -	32 9 -
" leather for pontoon wagon -	2	- 2 -	- 8 -	- 3 -	- 13 -
Carriages:					
Travelling, L. S. (Armstrong's), 40-pr. -	1	27 7 -	34 4 -	20 5 -	81 16 -
" " " " 9 or 12-pr. -	32	739 1 -	945 17 -	554 8 -	2,239 6 -
" " " " 6-pr. -	17	303 8 -	348 4 -	214 8 -	866 - -
" wagon, ammunition, for 9 or 12-pr. -	42	1,260 5 -	1,559 2 -	927 13 -	3,747 - -
" " " " 6-pr. -	8	138 10 -	166 17 -	100 9 -	405 16 -
Garrison, sliding, L. S. (Armstrong's), 100-pr. -	3	28 6 -	58 15 -	28 13 -	115 14 -
" " " " 110-pr. -	12	116 18 -	242 15 -	118 6 -	477 19 -
" " " " 300-pr. -	1	21 4 -	30 3 -	16 18 -	68 5 -
Rear chock, L. S., 110-pr. -	19	231 4 -	273 6 -	166 - -	670 10 -
Sliding pivot, S. S. (Armstrong's), 100-pr. -	27	243 16 -	506 6 -	246 16 -	996 18 -
" " " " 110-pr. -	16	102 18 -	213 12 -	104 2 -	420 12 -
" " " " 300-pr. -	4	217 9 -	309 4 -	173 5 -	699 18 -
" " " " 40-pr. -	20	182 16 -	275 14 -	150 17 -	609 7 -
Rear chock, S. S. (Armstrong's), 100-pr. -	12	116 3 -	137 5 -	83 7 -	336 15 -
" " " " 110-pr. -	53	552 15 -	653 9 -	396 17 -	1,603 1 -
" " " " 70-pr. -	7	42 18 -	55 16 -	32 9 -	131 3 -
" " " " 20 or 25-pr. -	7	22 14 -	30 - -	17 7 -	70 1 -
Common, S. S. (Armstrong's), 40-pr. -	24	124 13 -	167 7 -	96 1 -	388 1 -
" " " " 20-pr. -	5	16 4 -	21 9 -	12 8 -	50 1 -
Travelling, naval (Armstrong's), 20 or 25-pr. -	13	206 15 -	298 16 -	166 7 -	671 18 -
" " " " 9 or 12-pr. -	9	164 18 -	204 2 -	121 8 -	490 8 -
" " " " 6-pr. -	15	245 8 -	276 - -	171 11 -	692 19 -
Boat Service (Armstrong's), 20 or 25-pr. -	18	33 11 -	47 7 -	26 12 -	107 10 -
Top and under (Armstrong's), 9 or 12-pr. -	165	283 13 -	383 15 -	219 12 -	887 - -
" " " " 6-pr. -	15	23 8 -	18 1 -	13 13 -	55 2 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Carriages:					
Wood, garrison common standing, } 8-in. gun -	10	49 14 -	124 2 -	57 4 -	231 - -
S. B., L. S. - - - - - }					
" " " " 32-pr. -	56	291 19 -	548 15 -	274 19 -	1,110 13 -
" " " " 24-pr. -	97	319 11 -	883 3 -	395 14 -	1,598 8 -
" " " " 18-pr. -	1	4 12 -	7 3 -	3 17 -	15 12 -
" " " " 12-pr. -	24	73 1 -	188 16 -	86 3 -	348 - -
" " " " 8-in. howitzer	1	6 7 -	9 18 -	5 7 -	21 12 -
Rear chock, S. B, L. S., 68-pr. gun -	19	213 16 -	437 14 -	214 7 -	865 17 -
" " " " 8-inch gun -	52	327 10 -	686 16 -	333 15 -	1,348 1 -
Garrison, sliding, for traversing } 68-pr. gun -	119	980 2 -	2,686 19 -	1,206 11 -	4,873 12 -
platform, S. B., L. S. - - - }					
" " " " 8-in. gun -	73	674 10 -	1,556 18 -	734 4 -	2,965 12 -
" " " " 32-pr. gun -	10	129 7 -	152 17 -	92 17 -	375 1 -
" " " " 18-pr. gun -	2	15 7 -	32 4 -	15 13 -	63 4 -
" " " " 8-in. howitzer	6	29 11 -	68 1 -	32 2 -	129 14 -
" " " " 7-in. gun -	4	40 13 -	99 18 -	46 5 -	186 16 -
Travelling, for iron ordnance, } 8-in. gun -	1	53 15 -	20 18 -	24 11 -	99 4 -
S. B., L. S. - - - - - }					
" " " " 32-pr. -	1	30 5 -	41 9 -	23 12 -	95 6 -
" " " " 24-pr. -	7	183 18 -	252 1 -	143 9 -	579 8 -
" " " " 8-in. mortar	1	21 17 -	31 2 -	17 8 -	70 7 -
" " " " timber, 2 wheel	6	23 15 -	30 12 -	17 18 -	72 5 -
Travelling brass ordnance, S. B., L. S., 6-pr. gun	4	70 2 -	89 13 -	52 11 -	212 6 -
" " " " " 3-pr. gun	1	16 11 -	20 9 -	12 3 -	49 3 -
" " " " " 4½-in -	2	31 12 -	40 18 -	23 17 -	96 7 -
Travelling, S. B., L. S., ammunition wagon -	3	6 12 -	7 8 -	4 12 -	18 12 -
" " " " trail 12-pr. Armstrong -	1	1 18 -	- 5 -	- 14 -	2 17 -
" " " " small-arm ammunition -	3	14 11 -	22 11 -	12 4 -	49 6 -
" " " " devil - - - - -	1	18 2 -	14 5 -	9 - -	36 7 -
Common truck, smooth bore, sea service, 8-in. gun	24	96 5 -	240 7 -	110 15 -	447 7 -
" " " " " 18-pr. gun	6	16 19 -	26 6 -	14 5 -	57 10 -
Rear chock, S. B., S. S., 68-pr. or 10-inch gun	51	291 17 -	454 15 -	245 13 -	992 5 -
" " " " 32-pr. gun -	28	102 16 -	113 14 -	71 5 -	287 15 -
" " " " 24-pr. -	1	2 13 -	2 19 -	1 17 -	7 9 -
" " " " 12-pr. howitzer -	4	10 19 -	8 11 -	6 8 -	25 18 -
Sliding pivot for slides, S. B., S. S., 68-pr. gun	27	135 5 -	312 3 -	147 4 -	594 12 -
" " " " " 10 in. gun	2	14 - -	32 5 -	15 4 -	61 9 -
" " " " " 7-in. gun	1	20 7 -	46 18 -	22 3 -	89 8 -
" " " " " 32-pr. gun	3	23 17 -	41 13 -	21 11 -	87 1 -
Travelling, 6-pr. - - - - -	2	12 - -	27 15 -	13 2 -	52 17 -
" " 3-pr. - - - - -	4	65 6 -	83 12 -	49 - -	197 18 -
Top, for short practice, S. B., S. S., 6-pr. gun -	11	40 - -	30 16 -	23 6 -	94 2 -
S. S. (Marshall's), 68-pr. - - - - -	1	11 10 -	16 17 -	9 7 -	37 14 -
Carts, to tip - - - - -	258	1,936 3 -	1,484 8 -	1,125 9 -	4,546 - -
" hand - - - - -	78	278 - -	256 17 -	176 - -	710 17 -
" water - - - - -	1	4 8 -	3 4 -	2 10 -	10 2 -
" sling - - - - -	28	200 15 -	288 1 -	160 17 -	649 13 -
" store - - - - -	6	81 18 -	73 4 -	51 1 -	206 3 -
" trench - - - - -	2	14 2 -	12 19 -	8 18 -	35 19 -
" spider - - - - -	4	12 12 -	11 13 -	8 - -	32 5 -
" shot - - - - -	5	33 18 -	23 14 -	18 19 -	76 11 -
" country - - - - -	6	39 6 -	36 3 -	24 17 -	100 6 -
Cartouches, leather (Armstrong's) - - - - -	20	- 13 -	3 7 -	1 6 -	5 6 -
" " smooth bore - - - - -	2	- 11 -	1 9 -	- 13 -	2 13 -
" " canvas (Armstrong's) - - - - -	96	5 5 -	11 9 -	5 10 -	22 4 -
" " smooth bore - - - - -	10	- 12 -	- 18 -	- 10 -	2 - -
Cases, packing - - - - -	812	193 14 -	432 19 -	206 4 -	832 17 -
" powder, half - - - - -	193	60 9 -	143 16 -	67 4 -	271 9 -
" " quarter - - - - -	1,000	252 4 -	543 4 -	261 14 -	1,057 2 -
" skeleton - - - - -	4	- 4 -	- 8 -	- 4 -	- 16 -
" of sorts - - - - -	1,935	226 4 -	505 14 -	240 16 -	972 14 -
Chests, Royal Engineers - - - - -	1	1 11 -	1 - -	- 17 -	3 8 -
" laboratory - - - - -	3	4 1 -	2 14 -	2 4 -	8 19 -
" smiths' - - - - -	46	54 19 -	36 9 -	30 1 -	121 9 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Chains, for devil carriage - - - - -	2	- 5 -	- 4 -	- 3 -	- 12 -
" of sorts - - - - - yards	561 ¹ / ₂	11 6 -	8 17 -	6 13 -	26 16 -
Chairs for plugs - - - - -	12	- 1 -	- 1 -	- - -	- 1 -
Chesses for bridging (whole) - - - - -	160	37 9 -	102 1 -	45 18 -	185 8 -
" " (half) - - - - -	60	11 3 -	19 3 -	9 19 -	40 5 -
Chocks, dismounting - - - - -	64	31 5 -	103 8 -	44 6 -	178 19 -
" for water-carts - - - - -	70	2 5 -	4 2 -	2 2 -	8 9 -
Cleats - - - - -	100,000	19 19 -	81 2 -	33 5 -	134 6 -
Clouts, iron - - - - -	2,240	2 16 -	9 17 -	4 3 -	16 16 -
Coatings, for Armstrong guns - - - - -	547	7 18 -	60 9 -	22 10 -	90 17 -
" smooth bore - - - - -	481	8 3 -	61 15 -	23 - - -	92 18 -
Coins, gun (Armstrong) - - - - -	649	69 4 -	106 - - -	57 13 -	232 17 -
" smooth bore - - - - -	1,012	71 16 -	287 3 -	118 2 -	477 1 -
" mortar - - - - -	90	93 10 -	213 12 -	101 1 -	408 3 -
" howitzer - - - - -	20	- 8 -	- 12 -	- 7 -	1 7 -
" sea service gun (Armstrong) - - - - -	999	66 6 -	101 11 -	55 5 -	223 2 -
" " smooth bore - - - - -	954	115 8 -	193 11 -	101 13 -	410 12 -
" mortar - - - - -	158	65 9 -	90 4 -	51 4 -	206 17 -
Compressors, iron - - - - -	249	107 19 -	255 17 -	119 14 -	483 10 -
" wood - - - - -	1,115	971 7 -	779 5 -	576 - - -	2,326 12 -
Composition for canvas - - - - - lbs.	2,034	5 11 -	30 17 -	12 - - -	48 8 -
Cones - - - - - pairs	2	17 - - -	9 14 -	8 16 -	35 10 -
Covers, wood, for shot furnace, with tarpaulins - - - - -	37	6 14 -	11 13 -	6 1 -	24 8 -
" harness - - - - -	16	- 7 -	- 15 -	- 7 -	1 9 -
" canvas, carts or carriage - - - - -	23	8 8 -	16 9 -	8 4 -	33 1 -
" " gun (Armstrong) - - - - -	2	- 10 -	- 8 -	- 6 -	1 4 -
" " smooth bore - - - - -	4	2 12 -	2 11 -	1 14 -	6 17 -
" " ammunition, mule - - - - -	43	- 15 -	2 6 -	1 - - -	4 1 -
" for powder barrows - - - - -	12	- 11 -	1 11 -	- 14 -	2 16 -
" waterproof, Armstrong gun - - - - -	68	15 3 -	13 19 -	9 12 -	38 14 -
" " for tents - - - - -	200	42 10 -	171 14 -	70 10 -	284 14 -
" " of sorts (waterproof) - - - - -	4	- 14 -	4 9 -	1 14 -	6 17 -
Cot, ambulance wagon - - - - -	1	- 16 -	1 5 -	- 13 -	2 14 -
Clamps, drag shoes - - - - -	15	- 18 -	1 8 -	- 15 -	3 1 -
Covers, Flanders wagon - - - - -	31	15 19 -	29 4 -	14 17 -	60 - - -
Cradles for shot - - - - -	13	- 14 -	- 16 -	- 10 -	2 - - -
Curves, metal, in pieces - - - - -	1,086	88 10 -	1,149 6 -	407 5 -	1,645 1 -
Couples for traces - - - - -	2,000	8 8 -	2 - - -	3 8 -	13 16 -
Cutters, portfire - - - - -	6	- - -	1 9 -	- 10 -	1 19 -
Cushions, powder barrel - - - - -	4	- 4 -	- 10 -	- 5 -	- 19 -
Deckfittings, for superintending the completing of - - - - -	354	215 8 -	- - -	70 17 -	286 5 -
Drawings, lithograph - - - - -	3	- 3 -	- - -	- 1 -	- 4 -
" of targets - - - - -	2	1 10 -	- 2 -	- 10 -	2 2 -
Drugs, large - - - - -	5	35 - - -	18 19 -	17 15 -	71 14 -
" small - - - - -	6	29 15 -	21 11 -	16 18 -	68 4 -
Dilleys, of sorts - - - - -	2	5 18 -	5 19 -	3 18 -	15 15 -
Dubbing, without tins - - - - - lbs.	8,747	3 9 -	224 6 -	74 19 -	302 14 -
" with tins - - - - -	1,322	1 3 -	75 18 -	25 7 -	102 8 -
Dust, charcoal - - - - -	2	- - -	- 18 -	- 6 -	1 4 -
Duck, Russian - - - - - yards	200	- - -	6 6 -	2 1 -	8 7 -
Dowels for mortars - - - - -	190	- 16 -	- 8 -	- 8 -	1 12 -
Drums, iron, for oil - - - - -	2	- 14 -	- 10 -	- 8 -	1 12 -
Eyes, trail - - - - -	4	5 - - -	1 3 -	2 - - -	8 3 -
Falls, gyn or tackle - - - - -	34	- 3 -	42 2 -	13 18 -	56 3 -
Feeders, oil - - - - -	6	- 3 -	- 1 -	- 1 -	- 5 -
Feet, flange - - - - -	612	89 13 -	150 11 -	79 1 -	319 5 -
Felloes, sling wagon - - - - -	124	2 - - -	22 3 -	7 19 -	32 2 -
" 9-pounder - - - - -	165	1 14 -	17 6 -	6 5 -	25 5 -
" of sorts - - - - -	642	14 6 -	78 18 -	30 13 -	123 17 -
Fids, Armstrong gun - - - - -	47	8 6 -	16 4 -	8 1 -	32 11 -
" smooth bore - - - - -	54	7 14 -	15 2 -	7 10 -	30 6 -
Figures, wood, to represent men - - - - -	100	6 5 -	24 11 -	10 3 -	40 19 -
Flanges for trucks, hollow, soled - - - - -	153	27 8 -	45 19 -	24 3 -	97 10 -
Flaps, metal - - - - -	35	35 3 -	16 4 -	16 18 -	68 5 -
" iron - - - - -	14	26 3 -	12 - - -	12 11 -	50 14 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Fleecy, hosiery, for sponges, gun, S. B. yards	4	- 12 -	9 17 -	3 9 -	13 18 -
Floats for targets - - - - -	12	14 9 -	54 8 -	22 13 -	91 10 -
Forks, of sorts - - - - -	60	4 6 -	2 7 -	2 4 -	8 17 -
Formers, wad, gun - - - - -	77	3 14 -	9 15 -	4 9 -	17 18 -
Frames, of sorts - - - - -	5	5 19 -	5 10 -	3 15 -	15 4 -
Fulcrums, elm - - - - -	14	- 19 -	2 11 -	1 3 -	4 13 -
Funnels, tin - - - - -	2	- 1 -	- 3 -	- 1 -	- 5 -
Gaskets, of sorts - - - - -	30	- 11 -	7 13 -	2 14 -	10 18 -
Garlands, iron - - - - -	559	89 9 -	222 15 -	102 14 -	414 18 -
„ wood - - - - -	27	3 9 -	5 18 -	3 1 -	12 8 -
Gauge for pickaxe - - - - -	1	- 3 -	- 1 -	- 1 -	- 5 -
Geese, wood, with grummetts - - - - -	50	2 10 -	8 6 -	3 11 -	14 7 -
Grummetts - - - - -	2	- 1 -	- 1 -	- 1 -	- 3 -
Gyns, triangle, large - - - - -	50	454 19 -	738 12 -	392 14 -	1,586 5 -
„ Gibraltar - - - - -	3	31 14 -	33 1 -	21 6 -	86 1 -
„ right cheek of - - - - -	1	2 16 -	3 8 -	2 1 -	8 5 -
Glue (Jefferies) - - - - - cwt.	2½	- - -	9 - -	2 19 -	11 19 -
Gunnels - - - - -	8	1 12 -	4 19 -	2 3 -	8 14 -
Handles, mallet - - - - -	4,500	28 9 -	39 3 -	22 5 -	89 17 -
„ barrow - - - - -	50	- 9 -	2 10 -	- 19 -	3 18 -
„ shovel - - - - -	500	4 1 -	- - -	1 7 -	5 8 -
„ oscillating screw - - - - -	50	7 10 -	2 10 -	3 6 -	13 6 -
Handspikes, stop - - - - -	592	4 6 -	93 11 -	32 4 -	130 1 -
„ traversing (Armstrong) - - - - -	219	32 - -	37 6 -	22 16 -	92 2 -
„ „ smooth bore - - - - -	141	14 15 -	17 5 -	10 10 -	42 10 -
„ common, of sizes - - - - -	639	1 15 -	78 2 -	26 5 -	106 2 -
„ with rollers, of sizes - - - - -	1,493	583 4 -	649 19 -	405 15 -	1,638 18 -
„ gyn - - - - -	71	5 11 -	9 17 -	5 1 -	20 9 -
Harness, men's - - - - - sets	8	1 9 -	9 1 -	3 9 -	13 19 -
„ horse, double - - - - -	1	4 2 -	8 - -	4 - -	16 2 -
Heads, spare, rammer, howitzer - - - - -	24	1 13 -	1 5 -	- 19 -	3 17 -
„ „ smooth bore - - - - -	1,414	36 16 -	122 19 -	52 11 -	212 6 -
„ „ mortar - - - - -	42	- 12 -	4 4 -	1 12 -	6 8 -
„ sponge, howitzer - - - - -	8	- 6 -	1 2 -	- 9 -	1 17 -
„ „ mortar - - - - -	10	- 19 -	6 6 -	2 8 -	9 13 -
„ spare sponge - - - - -	437	23 - -	181 17 -	67 8 -	272 5 -
Hinges - - - - - pairs	61	- 2 -	4 18 -	1 13 -	6 13 -
Holdalls, leather - - - - -	100	5 4 -	10 1 -	5 - -	20 5 -
Hooks, copper - - - - -	24	1 5 -	2 19 -	1 8 -	5 12 -
„ iron - - - - -	4,419	- - -	131 5 -	43 4 -	174 9 -
„ bale - - - - -	12	3 11 -	1 10 -	1 13 -	6 14 -
„ boat - - - - -	41	11 13 -	8 4 -	6 11 -	26 8 -
Hoops, bale - - - - -	223	10 18 -	13 5 -	7 19 -	32 2 -
„ wagon - - - - -	2	- 2 -	- 3 -	- 2 -	- 7 -
Horns for carriages - - - - -	70	32 - -	54 3 -	28 7 -	114 10 -
Helves, felling axe - - - - -	508	6 3 -	10 - -	5 6 -	21 9 -
Hair, doe's - - - - - lb.	18,050	- - -	225 13 -	74 5 -	290 18 -
Irons, guard for ammunition boxes - - - - -	2,032	471 12 -	93 16 -	186 1 -	751 9 -
Ironwork for saddletrees - - - - - sets	304	21 19 -	4 1 -	8 11 -	34 11 -
„ for batteries (Armstrong) - - - - -	1	10 14 -	13 11 -	7 19 -	32 4 -
„ „ smooth bore - - - - -	6	27 11 -	40 2 -	25 4 -	101 17 -
„ for saddletrees - - - - - pieces	102	1 1 -	- 4 -	- 8 -	1 13 -
„ for metal rollers - - - - -	23	16 13 -	5 16 -	7 8 -	29 17 -
„ common 40-pr. - - - - -	1	2 1 -	2 8 -	1 9 -	5 18 -
„ for carrying tents on - - - - -	10	1 13 -	2 - -	1 4 -	4 17 -
„ for carriages - - - - -	4	24 2 -	18 3 -	13 18 -	56 3 -
„ for platforms - - - - -	14	63 4 -	85 4 -	48 17 -	197 5 -
„ for compressors - - - - -	6	3 1 -	2 14 -	1 18 -	7 13 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
Ironwork for carriages complete :		£. s. d.	£. s. d.	£. s. d.	£. s. d.
20-pr., top and under, boat service - -	45	17 13 -	72 9 -	29 13 -	119 15 -
9 " " " " - -	91	71 8 -	135 4 -	67 19 -	274 11 -
6 " " " for short practice - -	19	18 3 -	16 7 -	11 7 -	45 17 -
Jacks, lifting - - - - -	92	169 9 -	47 5 -	71 6 -	288 - -
Keys, ammunition box (Armstrong) - - -	114	- 6 -	1 17 -	- 14 -	2 17 -
" for pivot - - - - -	270	6 4 -	2 15 -	2 19 -	11 18 -
" forelock - - - - -	13	- 1 -	- 8 -	- 3 -	- 12 -
" spring lock - - - - -	1,004	5 - -	24 11 -	9 14 -	39 5 -
Labels, wood - - - - -	1,300	5 6 -	2 9 -	2 11 -	10 6 -
Ladders, standing - - - - -	67	32 - -	22 7 -	17 18 -	72 5 -
" iron-bound - - - - -	5	4 - -	2 15 -	2 4 -	8 19 -
" step - - - - -	21	18 9 -	9 11 -	9 4 -	37 4 -
Ladles, copper - - - - -	42	4 7 -	29 5 -	11 1 -	44 13 -
Lashings, tarred - - - - -	252	4 - -	16 - -	6 12 -	26 12 -
Lassoos with traces - - - - -	200	96 15 -	173 16 -	89 - -	359 11 -
" " bearers - - - - -	104	- 13 -	1 16 -	- 16 -	3 5 -
Leathers for snap caps - - - - -	84,500	3 16 -	39 11 -	14 5 -	57 12 -
" hand - - - - -	12	- 6 -	- 14 -	- 7 -	1 7 -
Legs for grindstone troughs - - - - -	100	2 3 -	3 18 -	2 - -	8 1 -
" for chopping block - - - - -	2	- 1 -	- 2 -	- 1 -	- 4 -
Levers, wood, of sizes - - - - -	237	32 18 -	85 16 -	39 1 -	157 15 -
" iron - - - - -	519	27 18 -	9 5 -	12 4 -	49 7 -
" truck, with ropes - - - - -	2	2 7 -	5 5 -	2 10 -	10 2 -
" roller - - - - -	9	1 13 -	- 12 -	- 15 -	3 - -
" sling, wagon - - - - -	7	- 9 -	1 6 -	- 12 -	2 7 -
Limbers for carriages (Armstrong's) - - -	2	10 9 -	6 2 -	5 9 -	22 - -
" " smooth bore - - - - -	33	145 1 -	174 16 -	105 5 -	425 2 -
Lines for pontoons - - - - -	44	- 11 -	3 6 -	1 5 -	5 2 -
Linstocks, with cocks - - - - -	110	19 7 -	3 2 -	7 8 -	29 17 -
Links, with thimbles - - - - -	6	1 6 -	- 16 -	- 14 -	2 16 -
Lithograph, of carriages - - - - - sets	52	- 17 -	- 1 -	- 6 -	1 4 -
Locks, spring - - - - -	2,944	177 13 -	167 17 -	113 8 -	459 3 -
Loops, dismounting chock - - - - -	14	- 6 -	- 4 -	- 3 -	- 13 -
" iron, of sorts - - - - -	36	5 9 -	4 5 -	3 4 -	12 18 -
Locks, metal - - - - -	500	28 19 -	27 6 -	18 10 -	74 15 -
Magazines, portable - - - - -	87	95 7 -	90 10 -	61 3 -	247 - -
" boat service - - - - -	105	112 11 -	106 2 -	71 19 -	290 12 -
Mandrills, iron - - - - -	3	2 8 -	2 9 -	1 12 -	6 9 -
Mallets, small - - - - -	2,700	89 1 -	27 5 -	37 19 -	153 5 -
Mantlets, iron - - - - -	17	66 1 -	231 15 -	98 - -	395 16 -
" rope - - - - -	13	21 19 -	76 18 -	32 10 -	131 7 -
Mauls, wood - - - - -	677	40 11 -	49 4 -	29 11 -	119 6 -
Models, wood, Armstrong gun :					
40-pr., common - - - - -	1	11 4 -	- 19 -	4 - -	16 3 -
20-pr., top and under - - - - -	1	8 5 -	- 14 -	2 19 -	11 18 -
9-pr., " " - - - - -	1	7 8 -	- 13 -	2 13 -	10 14 -
" " 6-pr., brass, top and under, short } practice - - - - -	1	5 6 -	- 9 -	1 18 -	7 13 -
" " moulds - - - - -	-	8 4 -	- 13 -	2 18 -	11 15 -
" " consisting of carriages, platforms, } gyns, capstans, &c. - - - - -	224	1,014 2 -	86 8 -	362 2 -	1,462 12 -
Nails, tire - - - - - lbs.	5	- 1 -	- 1 -	- 1 -	- 3 -
Naves, wheel - - - - -	16	4 9 -	2 11 -	2 6 -	9 6 -
Nuts for elevating screw - - - - -	2	- 3 -	- 18 -	- 7 -	1 8 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Oars for pontoons - - - - -	105	20 13 -	36 5 -	18 14 -	75 12 -
Outriggers - - - - -	53	9 18 -	13 9 -	7 14 -	31 1 -
Paddles for pontoons - - - - -	10	2 14 -	1 17 -	1 10 -	6 1 -
Painting ironwork for platforms - - - - -	-	7 17 -	-	2 12 -	10 9 -
Pannels, saddle, men's - - - - -	18	4 - -	8 7 -	4 1 -	16 8 -
Pauls, wood - - - - -	12	- 16 -	- 8 -	- 8 -	1 12 -
„ iron - - - - -	6	2 6 -	1 4 -	1 3 -	4 13 -
Pedestals, wood - - - - -	774	33 6 -	94 18 -	42 4 -	170 8 -
Perch, spare - - - - -	56	30 4 -	33 12 -	21 - -	84 16 -
Pickets, park - - - - -	3,113	133 4 -	227 10 -	118 14 -	479 8 -
„ range - - - - -	500	3 17 -	17 16 -	7 2 -	28 15 -
Pile driver - - - - -	1	1 17 -	5 - -	2 5 -	9 2 -
Pins, lynch - - - - -	386	8 16 -	- 19 -	3 4 -	12 19 -
„ metal preventor rope - - - - -	116	3 8 -	7 7 -	3 11 -	14 6 -
Pivots, metal, solid - - - - -	298	63 7 -	605 1 -	219 18 -	888 6 -
„ screwed - - - - -	69	42 9 -	170 4 -	69 19 -	282 12 -
„ conical - - - - -	9	4 6 -	17 19 -	7 6 -	29 11 -
„ galvanized - - - - -	45	44 - -	2 1 -	15 3 -	61 4 -
„ iron - - - - -	197	106 16 -	17 - -	40 15 -	164 11 -
Planks, platform, common - - - - -	12	- 5 -	2 8 -	- 17 -	3 10 -
Plates, metal of sorts - - - - -	72	4 14 -	45 5 -	16 9 -	66 8 -
„ iron - - - - -	638	44 19 -	133 10 -	58 14 -	237 3 -
„ copper - - - - -	96	3 12 -	- - -	1 4 -	4 16 -
Platforms, ground, common - - - - -	8	33 5 -	192 16 -	74 7 -	300 8 -
„ „ Anderson's - - - - -	37	152 15 -	515 - -	219 14 -	887 9 -
„ „ Clerk's - - - - -	66	257 4 -	565 4 -	270 12 -	1,093 - -
„ „ Paisley's - - - - -	1	2 3 -	13 4 -	5 1 -	20 8 -
„ „ packing of - - - - -	-	2 5 -	- - -	- 15 -	3 - -
„ traversing, dwarf or casemate - - - - -	320	3,138 4 -	9,296 17 -	4,091 10 -	16,526 11 -
Plugs, armoury rifles - - - - -	7,335	44 - -	54 13 -	32 9 -	131 2 -
„ wood, for slides - - - - -	42	- 17 -	1 11 -	- 16 -	3 4 -
„ metal - - - - -	73	1 18 -	5 13 -	2 10 -	10 1 -
„ stop handspike - - - - -	633	6 2 -	13 12 -	6 10 -	26 4 -
„ housing - - - - -	263	7 3 -	35 15 -	14 2 -	57 - -
Pockets, tube leather - - - - -	302	17 9 -	24 4 -	13 14 -	55 7 -
„ metal - - - - -	6	- 9 -	3 - -	1 3 -	4 12 -
Poles, pry - - - - -	65	3 2 -	7 19 -	3 13 -	14 14 -
Pontoons, cavalry - - - - -	12	55 9 -	186 15 -	79 14 -	321 18 -
„ superstructure, for infantry - - - - -	62	3 - -	3 - -	1 19 -	7 19 -
„ „ cavalry - - - - -	448	106 - -	114 - -	72 8 -	292 8 -
„ „ for bridge equipment - - - - -	199	35 9 -	37 16 -	24 2 -	97 7 -
Posts, picket - - - - -	6	- 5 -	- 7 -	- 4 -	- 16 -
Prolongs, heavy - - - - -	40	4 8 -	11 6 -	5 3 -	20 17 -
„ light - - - - -	38	1 15 -	9 13 -	3 15 -	15 3 -
Prisms, wood - - - - -	12	- 11 -	- 9 -	- 7 -	1 7 -
Props and grummets for targets - - - - -	668	12 18 -	80 9 -	30 14 -	124 1 -
„ for water - - - - -	166	4 12 -	4 10 -	3 - -	12 2 -
Pulleys, spare - - - - -	5	3 12 -	1 16 -	1 15 -	7 3 -
Pump, gear - - - - -	2	1 12 -	1 4 -	- 18 -	3 14 -
Rafts for floating targets - - - - -	6	13 12 -	32 19 -	15 6 -	61 17 -
Racers, raised - - - - -	151	225 5 -	304 7 -	174 5 -	703 17 -
Racksticks for lashings - - - - -	24	- 12 -	- 8 -	- 7 -	1 7 -
Ratchets, for elevating screws - - - - -	1	- 9 -	- 14 -	- 8 -	1 11 -
Rammers, Armstrong gun - - - - -	3,854	256 10 -	485 18 -	244 5 -	986 13 -
„ smooth bore - - - - -	1,422	29 19 -	233 15 -	86 15 -	350 9 -
„ earth - - - - -	474	19 2 -	40 16 -	19 14 -	79 12 -
Rests, tripod, with rings - - - - -	230	13 8 -	59 16 -	24 2 -	97 6 -
Reel for telegraph wire - - - - -	1	9 18 -	2 14 -	4 3 -	16 15 -
Rings, iron, of sorts - - - - -	168	- 15 -	- 5 -	- 7 -	1 7 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Rods, pointing - - - - -	72	8 1 -	18 19 -	8 18 -	35 18 -
„ for cleaning guns - - - - -	2,705	148 - -	594 13 -	244 7 -	987 - -
Rollers, wood, of sizes - - - - -	581	53 1 -	123 12 -	58 2 -	234 15 -
„ metal - - - - -	41	2 17 -	16 - -	6 4 -	25 1 -
„ running up - - - - -	38	15 1 -	12 11 -	9 2 -	36 14 -
Ropes, sling for guns - - - - -	54	5 11 -	86 10 -	30 2 -	121 13 -
„ drag - - - - - pairs	611	26 19 -	231 15 -	85 2 -	343 16 -
„ parbuckling - - - - -	62	7 - -	121 14 -	42 7 -	171 1 -
„ preventer, land service - - - - -	715	30 3 -	258 13 -	95 - -	383 16 -
„ „ sea service - - - - -	480	39 18 -	208 5 -	81 13 -	329 16 -
„ guy with signal balls - - - - -	13,340	8 11 -	70 15 -	26 2 -	105 8 -
Rosettes, men's - - - - -	5,000	- 15 -	5 12 -	2 2 -	8 9 -
Ropes, lashing - - - - -	36	- - -	2 7 -	- 15 -	3 2 -
„ lever gyn - - - - -	4	- - -	- 7 -	- 2 -	- 9 -
Saddles, pack, with harness (complete) - - - - -	100	117 14 -	163 - -	92 7 -	373 1 -
„ for cavalry pontoons - - - - -	25	23 19 -	33 4 -	18 16 -	75 19 -
Saddletrees - - - - -	69	6 6 -	12 4 -	6 2 -	24 12 -
Sawdust - - - - - loads	14½	- 14 -	1 8 -	- 14 -	2 16 -
Selvages, common - - - - -	4	- - -	- 4 -	- 1 -	- 5 -
Scotches, wood, of sorts - - - - -	972	2 14 -	8 3 -	3 11 -	14 8 -
Scoops, wood - - - - -	12	1 9 -	- 16 -	- 15 -	3 - -
Scrapers, platform - - - - -	8	1 4 -	- 7 -	- 10 -	2 1 -
Screws, elevating (Armstrong's) - - - - -	25	32 2 -	26 16 -	19 8 -	78 6 -
„ „ smooth bore - - - - -	95	111 11 -	197 3 -	101 11 -	410 5 -
„ jamming (Armstrong's) - - - - -	17	3 15 -	1 6 -	1 13 -	6 14 -
„ smooth bore - - - - -	2	- 9 -	- 11 -	- 7 -	1 7 -
„ metal - - - - -	831	6 13 -	21 8 -	9 5 -	37 6 -
„ iron - - - - -	1,252	6 13 -	7 19 -	4 16 -	19 8 -
Scuppets, wood - - - - -	12	2 1 -	1 3 -	1 1 -	4 5 -
Shackles, breechings - - - - -	103	27 11 -	6 18 -	11 7 -	45 16 -
„ tackle - - - - -	37	2 10 -	- 13 -	1 1 -	4 4 -
„ for blocks - - - - -	1	- 4 -	- 1 -	- 1 -	- 6 -
Shafts, near - - - - -	367	35 5 -	246 19 -	92 17 -	375 1 -
„ off - - - - -	320	398 10 -	88 9 -	160 4 -	647 3 -
„ wagon, near - - - - -	31	21 - -	2 2 -	7 12 -	30 14 -
„ „ off - - - - -	26	31 - -	3 2 -	11 4 -	45 6 -
„ carts, near - - - - -	14	13 10 -	4 14 -	6 - -	24 4 -
„ „ off - - - - -	4	- 2 -	- 1 -	- 1 -	- 4 -
Sheaves, metal - - - - -	1	- 2 -	- 1 -	- 1 -	- 4 -
Sheers, wood, of sizes - - - - -	6	6 12 -	40 6 -	15 9 -	62 7 -
Shoes, drag - - - - -	42	17 8 -	14 17 -	10 12 -	42 17 -
„ horse patterns - - - - -	24	3 2 -	- 5 -	1 2 -	4 9 -
„ for sheers - - - - -	39	11 9 -	31 16 -	14 5 -	57 10 -
Sides, train tackle - - - - -	3	10 - -	3 11 -	4 9 -	18 - -
„ ammunition wagon - - - - -	2	- - -	- 8 -	- 3 -	- 11 -
Skids, of sorts - - - - -	4	1 18 -	7 8 -	3 1 -	12 7 -
Sleighs, for proving guns - - - - -	3	22 6 -	32 6 -	17 19 -	72 11 -
Slides for pivot guns, 68-pounder or 10-inch - - - - -	171	1,473 16 -	2,680 10 -	1,366 18 -	5,521 4 -
„ „ 32-pounder or 8-inch - - - - -	4	17 19 -	53 1 -	23 7 -	94 7 -
„ „ 300, 110, and 100-pounder - - - - -	74	1,021 17 -	1,858 9 -	947 14 -	3,828 - -
Slings, gun - - - - -	72	2 19 -	117 6 -	39 11 -	159 16 -
„ „ for pontoon - - - - -	8	- 9 -	6 19 -	2 9 -	9 17 -
Sockets, metal - - - - -	75	8 12 -	44 2 -	17 7 -	70 1 -
„ „ stop handspike - - - - -	559	13 14 -	84 16 -	32 8 -	130 18 -
„ „ housing - - - - -	342	53 2 -	621 12 -	222 - -	896 14 -
Spanners, iron, for slides - - - - -	20	2 8 -	1 3 -	1 3 -	4 14 -
Spars for sheers - - - - -	22	9 18 -	97 3 -	35 5 -	142 6 -
Spokes, oak, of sorts - - - - -	737	1 13 -	83 10 -	28 - -	113 3 -
Springs, India-rubber - - - - -	36	- - -	39 16 -	13 2 -	52 18 -
„ suspension - - - - -	10	- - -	11 1 -	3 13 -	14 14 -
Spuds, for racers - - - - -	2,979	50 13 -	59 2 -	36 2 -	145 17 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Spunges, gun (Armstrong) - - - -	895	66 17 -	374 11 -	145 5 -	586 13 -
„ „ smooth bore - - - -	1,623	123 12 -	776 4 -	296 1 -	1,195 17 -
„ howitzer - - - -	53	3 7 -	8 6 -	3 17 -	15 10 -
„ mortar - - - -	74	4 3 -	12 2 -	5 7 -	21 12 -
Standard horse and men - - - -	1	3 11 -	3 9 -	2 6 -	9 6 -
Staples, iron, lashing - - - -	384	- - -	1 14 -	- 11 -	2 5 -
„ „ round crowned - - - -	2,068	- - -	1 9 -	- 10 -	1 19 -
„ for shell boxes - - - -	4,000	- - -	2 6 -	- 15 -	3 1 -
„ with screws, single and double - - - -	6,394	- - -	47 12 -	15 13 -	63 5 -
„ with plates and screws for guard irons - - - -	960	- - -	7 3 -	2 7 -	9 10 -
„ iron for saddle-trees - - - -	76	- - -	- 13 -	- 4 -	- 17 -
Stands, thermometer - - - -	51	58 2 -	40 8 -	32 8 -	130 18 -
Staff for flag - - - -	1	- 3 -	- 5 -	- 3 -	- 11 -
Staves, sponge (Armstrong) - - - -	697	- 15 -	94 15 -	31 9 -	126 19 -
„ „ smooth bore - - - -	834	6 10 -	121 17 -	42 5 -	170 12 -
„ for flagstuffs - - - -	12	- 17 -	2 10 -	1 2 -	4 9 -
„ rammer (Armstrong) - - - -	179	4 - -	6 16 -	3 11 -	14 7 -
Steps for traversing platforms - - - -	5	- 19 -	2 5 -	1 1 -	4 5 -
Sticks, port fire - - - -	1	- 4 -	- 1 -	- 1 -	- 6 -
Stocks, rough - - - -	18	2 10 -	13 10 -	5 5 -	21 5 -
Stops, metal, self-acting, for directing bar - - - -	4	1 - -	4 - -	1 13 -	6 13 -
„ compressor - - - -	19	3 19 -	- 15 -	1 11 -	6 5 -
Stoppers, rope - - - -	3	- 2 -	- 13 -	- 4 -	- 19 -
Straps, side arms - - - -	16	- 2 -	- 7 -	- 3 -	- 12 -
„ for shot lifting - - - -	2,248	39 16 -	119 6 -	52 7 -	211 9 -
„ rope, with hook and tackle - - - -	18	- 3 -	2 - -	- 14 -	2 17 -
„ for India-rubber springs - - - -	22	- 10 -	3 7 -	1 5 -	5 2 -
Stretchers, complete - - - -	12	- 2 -	- - -	- - -	- 2 -
Streaks, tire - - - -	24	- 14 -	1 3 -	- 12 -	2 9 -
Surcingle, lasso - - - -	42	16 - -	28 19 -	14 15 -	59 14 -
Swingletrees for Armstrong's - - - -	5	1 4 -	- 8 -	- 10 -	2 2 -
Superstructure for pontoon bridge (<i>see</i> page 10).					
Tables, wooden, of sorts - - - -	1	7 10 -	6 8 -	4 11 -	18 9 -
Tackles, gun - - - -	41	107 15 -	287 18 -	130 3 -	525 16 -
„ gun - - - -	9	11 12 -	41 19 -	17 12 -	71 3 -
„ side - - - -	4	3 17 -	1 9 -	1 15 -	7 1 -
Tampeons, wood, of sizes - - - -	7,042	285 9 -	497 7 -	257 11 -	1,040 7 -
Targets, wood, of sizes - - - -	932	635 4 -	1,232 15 -	614 12 -	2,482 11 -
Tailpieces for carts - - - -	2	- 6 -	- 11 -	- 5 -	1 2 -
Thimbles, sling carts - - - -	22	6 18 -	2 18 -	3 4 -	13 - -
Thongs, leather - - - -	236	13 10 -	18 18 -	10 13 -	43 1 -
Tires for wheels, light - - - -	7	- 1 -	- 10 -	- 4 -	- 15 -
Tampeons, muzzle - - - -	1	- 2 -	- 3 -	- 1 -	- 6 -
Ties for lynch pins - - - -	48	- 1 -	- 1 -	- - -	- 2 -
Timber, sawn, feet superficial, ash - - - -	1,100	13 19 -	- - -	4 11 -	18 10 -
„ „ „ deals - - - -	48	29 14 -	- - -	9 15 -	39 9 -
„ „ „ elm - - - -	230	11 8 -	- - -	3 15 -	15 3 -
„ „ „ oak - - - -	40	1 15 -	- - -	- 11 -	2 6 -
„ „ „ fir - - - -	126	9 - -	- - -	2 19 -	11 19 -
„ beech „ plank - - - -	80	- 8 -	2 15 -	1 - -	4 3 -
„ cedar „ planks - - - -	5	- 10 -	5 10 -	1 19 -	7 19 -
„ deals „ No. - - - -	12	- 11 -	5 14 -	2 1 -	8 6 -
„ mahogany - - - - feet superficial	453	2 5 -	32 9 -	11 8 -	46 2 -
„ pine - - - - „ - - - -	122	- 3 -	1 17 -	- 13 -	2 13 -
„ teak - - - - feet cube	4,775	27 19 -	278 15 -	100 18 -	407 12 -
„ sabicu - - - -	40	- 14 -	8 10 -	3 - -	12 4 -
„ lignum vitæ - - - - lbs.	100	- 4 -	- 11 -	- 4 -	- 19 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—(B.) Return of Stores made New, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Timber, slabs of sorts - - - cords	12	1 5 -	17 19 -	6 6 -	25 10 -
„ wainscot - - - feet superficial	315	- 13 -	9 4 -	3 4 -	13 1 -
„ scantling, deals - - - „ -	174½	2 6 -	24 1 -	8 13 -	35 - -
„ skidding deals - - - „ -	8	- 19 -	4 19 -	1 18 -	7 16 -
„ plank, for bridging - - - „ -	30	3 6 -	12 19 -	5 7 -	21 12 -
„ wood (refuse) - - - - cords	119½	- - -	109 10 -	36 - -	145 10 -
„ block paving - - - yards superficial	178	12 - -	44 - -	18 9 -	74 9 -
„ hard slabs - - - - cords	26	1 6 -	32 6 -	11 - -	44 12 -
„ blocks, rough, for R. C. carriages	12	2 12 -	31 7 -	11 3 -	45 2 -
Tins for composition - - - -	192	2 18 -	7 6 -	3 7 -	13 11 -
Trays, tin - - - -	5,277	35 15 -	145 11 -	59 13 -	240 19 -
Trucks, wood, sea service - - -	1,292	146 17 -	266 7 -	135 19 -	549 3 -
„ transporting, gun - - - -	2,757	324 1 -	554 6 -	289 - -	1,167 7 -
„ „ howitzer - - - -	11	- 13 -	1 - -	- 10 -	2 3 -
„ metal for sliding carriages - - -	2	- 4 -	2 5 -	- 16 -	3 5 -
„ railway - - - -	22	190 9 -	400 8 -	194 8 -	785 5 -
„ hollow-soled - - - -	916	563 16 -	538 8 -	362 12 -	1,464 16 -
„ iron - - - -	10	7 2 -	1 15 -	2 18 -	11 15 -
„ elevating under carriage - - -	153	16 11 -	25 9 -	13 16 -	55 16 -
„ for platforms - - - -	305	59 18 -	99 10 -	52 8 -	211 16 -
„ metal for carriages - - - -	16	- 15 -	8 16 -	3 3 -	12 14 -
„ magazine or powder barrow - - -	3	2 9 -	7 5 -	3 3 -	12 17 -
Turnbuckles - - - -	24	- 14 -	- 1 -	- 4 -	- 19 -
Transoms, pontoon - - - -	8	1 12 -	5 - -	2 3 -	8 15 -
„ lashing - - - -	16	- 7 -	- 3 -	- 3 -	- 13 -
Traces, lassoe - - - -	52	9 15 -	10 5 -	6 12 -	26 12 -
Tressels, for making fascines - - -	1	2 9 -	1 3 -	1 3 -	4 15 -
Trails, gun - - - -	3	14 11 -	8 2 -	7 9 -	30 2 -
Uphirs, common - - - -	40	- - -	21 18 -	7 4 -	29 2 -
Wadhooks, gun, Armstrong - - -	6	- 4 -	1 3 -	- 9 -	1 16 -
„ gun, smooth bore - - - -	60	2 - -	10 16 -	4 4 -	17 - -
„ howitzer - - - -	11	- 14 -	3 12 -	1 8 -	5 14 -
„ carronade - - - -	2	- 1 -	- 6 -	- 2 -	- 9 -
Wagons, platform - - - -	9	143 11 -	264 18 -	134 7 -	542 16 -
„ sling - - - -	15	352 1 -	566 14 -	302 5 -	1,221 - -
„ forge - - - -	4	103 12 -	98 6 -	66 8 -	268 6 -
„ deal - - - -	6	77 8 -	98 1 -	57 14 -	233 3 -
„ store - - - -	5	113 12 -	134 16 -	81 14 -	330 2 -
„ heavy pontoons - - - -	30	346 8 -	489 5 -	274 19 -	1,110 12 -
Washers, drag - - - -	79	4 1 -	- 17 -	1 12 -	6 10 -
„ travelling - - - -	50	1 4 -	- 5 -	- 9 -	1 18 -
„ leather - - - -	12	- - -	- 1 -	- - -	- 1 -
Wax, black - - - - lbs.	1,000	4 10 -	7 12 -	4 - -	16 2 -
Wedges, wood - - - -	120	- 9 -	- 19 -	- 9 -	1 17 -
Wheels, travelling carriage - - -	120	111 17 -	334 6 -	146 16 -	592 19 -
„ wagons - - - -	56	67 3 -	218 17 -	94 2 -	380 2 -
„ carts - - - -	16	13 10 -	38 18 -	17 5 -	69 13 -
„ for carriages of sorts - - - -	302	374 12 -	844 10 -	401 2 -	1,620 4 -
„ cast iron (light) - - - -	124	15 9 -	35 2 -	16 12 -	67 3 -
„ metal - - - -	2	- 3 -	2 - -	- 14 -	2 17 -
„ wrought iron - - - -	2	2 8 -	- 8 -	- 18 -	3 14 -
Windlasses with ratchets - - -	1	2 13 -	1 5 -	1 5 -	5 3 -
„ sling cart or wagon - - - -	6	19 4 -	6 6 -	8 8 -	33 18 -
Woodwork, for saddle-trees, bars—pairs	6	- 3 -	- 10 -	- 4 -	- 17 -
„ „ forks, pairs, front (pieces) - - - -	24	- 5 -	- 14 -	- 6 -	1 5 -
„ „ - - - -	11,224	88 3 -	294 - -	125 14 -	507 17 -
Wrenches for slides - - - -	67	8 10 -	3 7 -	3 18 -	15 15 -
„ cross-hand, with bars (sets) - - -	68	13 11 -	8 17 -	7 7 -	29 15 -
„ knock-up - - - -	24	5 6 -	1 13 -	2 6 -	9 5 -
„ mantlet - - - -	10	- 10 -	- 5 -	- 4 -	- 19 -
TOTAL - - - £.		37,448 18 -	69,221 9 -	35,095 18 -	141,766 5 -

H. Clerk, Superintendent,
Royal Carriage Department.

STATEMENT (C.)

RETURN of STORES Converted in the ROYAL CARRIAGE DEPARTMENT, between the 1st April 1863 and the 31st March 1864, and delivered to the Principal Superintendent of Stores.

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, Divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.		
Articles, various, to complete carriages - -	-	35 7 -	46 14 -	27 - -	109 1 -
Axletrees, carronade, 24-pounder - - -	2	- 4 -	- 4 -	- 3 -	- 11 -
Barrels, for floating targets - - - -	24	18 2 -	17 13 -	11 15 -	47 10 -
Bars, directing - - - - -	61	322 16 -	349 14 -	221 5 -	893 15 -
Battery, 40-pounder (inspected) - - -	-	- 3 -	- - -	- 1 -	- 4 -
Beds for carriages, smooth bore, land service	18	- 11 -	- 4 -	- 5 -	1 - -
" " sea service	2	- - -	- - -	- - -	- - -
" for mortars, iron - - - - -	15	2 - -	4 7 -	2 2 -	8 9 -
Blocks (Bothway's), 10-inch - - - - -	12	- 5 -	- 11 -	- 5 -	1 1 -
" single - - - - -	1	- - -	- - -	- - -	- - -
" snatch - - - - -	1	1 - -	- 7 -	- 9 -	1 16 -
Boxes, shot or shell (Armstrong's) - - -	31	- 1 -	- - -	- - -	- 1 -
" smooth bore - - -	116	- 2 -	- - -	- 1 -	- 3 -
" facing implement - - - - -	32	8 8 -	1 1 -	3 2 -	12 11 -
" small-arm ammunition - - - - -	5,976	4 16 -	5 4 -	3 6 -	13 6 -
" limber - - - - -	24	15 10 -	6 5 -	7 3 -	28 18 -
" medical comfort - - - - -	68	- 8 -	- 6 -	- 5 -	- 19 -
Breechings, leather - - - - -	12	- 6 -	- 7 -	- 4 -	- 17 -
Breaks - - - - -	2	8 1 -	11 6 -	6 7 -	25 14 -
Buckets, leather - - - - -	500	6 18 -	1 19 -	2 18 -	11 15 -
" carbine - - - - -	188	5 13 -	1 6 -	2 6 -	9 5 -
" looped - - - - -	1,500	18 15 -	5 7 -	7 19 -	32 1 -
Bow and stern slides of Her Majesty's ship " Columbine," examination of.	-	7 1 -	- - -	2 6 -	9 7 -
Cacolets - - - - - pairs	91	24 8 -	6 19 -	10 6 -	41 13 -
Cans, oil, lubricating - - - - -	13	- 5 -	- 4 -	- 3 -	- 12 -
Canteens, painted and lettered - - - -	116	1 3 -	- 4 -	- 9 -	1 16 -
Capstans, crab - - - - -	11	4 3 -	- 15 -	1 12 -	6 10 -
Carriages:					
Garrison, L. S. (Armstrong's) 70-pounder -	1	3 18 -	6 19 -	3 11 -	14 8 -
Travelling, " 20 or 25-pounder -	5	4 18 -	3 19 -	2 18 -	11 15 -
" " 9 or 12-pounder -	76	237 - -	168 1 -	133 5 -	538 6 -
" " 6-pounder -	9	9 10 -	3 17 -	4 8 -	17 15 -
Rear chock, L. S. (Armstrong's) 70-pounder	2	10 10 -	11 16 -	7 7 -	29 13 -
Dwarf, traversing (Armstrong's) 110-pounder	2	2 5 -	5 8 -	2 10 -	10 3 -
Sliding pivot, S.S. (Armstrong's) 100-pounder	4	4 3 -	6 15 -	3 12 -	14 10 -
" " 120-pounder	8	3 2 -	3 8 -	2 3 -	8 13 -
Rear chock, S. S. (Armstrong's) 110-pounder	63	188 3 -	86 4 -	90 5 -	364 12 -
" " 20 or 25-pounder	1	- 8 -	- 2 -	- 3 -	- 13 -
Common, S. S. (Armstrong's) 40-pounder -	41	123 10 -	131 16 -	84 - -	339 6 -
Boat service (Armstrong's) 20 or 25-pounder	2	5 18 -	4 10 -	3 8 -	13 16 -
Top and under, 9 or 12-pounder - - -	4	8 14 -	6 16 -	5 2 -	20 12 -
Wood, garrison, common standing, S. B., L. S.					
8-in. gun.	12	5 6 -	7 10 -	4 4 -	17 - -
" 32-pounder	53	146 10 -	110 3 -	84 9 -	341 2 -
" 24-pounder	6	6 12 -	4 6 -	3 12 -	14 10 -
" 5½-inch	2	3 4 -	2 18 -	2 - -	8 2 -
Iron, common standing, S.B., L.S. 32-pr. gun	2	- 15 -	- 4 -	- 6 -	1 5 -
" " 24-pr. gun	28	9 2 -	2 10 -	3 16 -	15 8 -
" " 18-pr. gun	1	- 9 -	- 8 -	- 6 -	1 3 -
" " 12-pr. gun	6	4 19 -	- 13 -	1 17 -	7 9 -
Rear chock, S. B., L. S., 68-pounder gun -	51	295 8 -	191 17 -	160 6 -	647 11 -
" " 8-inch gun -	11	8 4 -	13 5 -	7 1 -	28 10 -
" " 24-pounder, howitzer	2	4 3 -	1 19 -	2 - -	

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—Statement (C.) Return of Stores Converted, &c.—continued.

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Carriages:					
Carronade, S. B., L. S., 24-pr. gun - -	2	3 11 -	- 16 -	1 9 -	5 16 -
Garrison sliding, for travers- ing platform, S. B., L. S. - } 68-pr. gun	23	150 6 -	259 11 -	134 17 -	544 14 -
" " " - - 10-in. gun	3	23 2 -	36 18 -	19 15 -	79 15 -
" " " - - 8-in. gun	4	19 3 -	38 11 -	19 - -	76 14 -
" " " - - 32-pr. gun	16	61 8 -	112 2 -	57 2 -	230 12 -
Travelling, for iron ordnance } S. B., L. S. - - - } - 8-in. gun	1	7 3 -	11 13 -	6 4 -	25 - -
" " " - - 32-pr. gun	1	2 3 -	2 7 -	1 10 -	6 - -
" " " - - 6-pr. gun	12	65 9 -	96 5 -	53 4 -	214 18 -
" " " - - 24-pr. gun	16	62 8 -	63 19 -	41 11 -	167 18 -
" " " - 12 or 9-pr. gun	20	114 8 -	111 - -	74 3 -	299 11 -
" " " - 8-in. howitzer	2	16 - -	16 11 -	10 14 -	43 5 -
" " " - 24-pr. howitzer	6	23 11 -	25 14 -	16 4 -	65 9 -
" " " - 12-pr. howitzer	2	26 6 -	42 6 -	22 11 -	91 3 -
" " " - 10-in. mortar	15	32 2 -	7 11 -	13 1 -	52 14 -
Travelling brass ordnance, } S. B., L. S. - - - } 24-pr. howitzer	2	4 8 -	4 16 -	3 1 -	12 5 -
" " " - - 12-pr. howitzer	4	4 11 -	7 6 -	3 18 -	15 15 -
" " " - 8-inch - -	1	8 2 -	8 6 -	5 8 -	21 16 -
Travelling, S. B., L. S., am- munition waggon - } 12-pounder -	24	65 19 -	51 14 -	38 14 -	156 7 -
Common truck, smooth bore, } sea service - - - } 8-in. gun -	29	67 - -	46 8 -	37 6 -	150 14 -
" " " - 32-pounder -	60	139 18 -	132 - -	89 9 -	361 7 -
Sliding pivot for slides, S. B., S. S., 68-pr. gun	81	686 - -	1,184 4 -	615 7 -	2,485 11 -
" " " - 10-in. gun	3	4 3 -	6 14 -	3 11 -	14 8 -
Top and under, for boats, } S. B., S. S. - - - } 24-pr. howitzer	10	12 15 -	3 4 -	5 5 -	21 4 -
" " " - 12-pr. hy. "	6	9 7 -	7 5 -	5 9 -	22 1 -
" " " - 6-pounder "	3	1 13 -	1 7 -	1 - -	4 - -
Fitted for funerals - - -	1	5 5 -	3 5 -	2 16 -	11 6 -
Low broadside - - - 68-pounder -	25	225 8 -	394 6 -	203 18 -	823 12 -
Dwarf or casemate, L. S. 68-pounder -	12	17 3 -	33 2 -	16 11 -	66 16 -
Siege " " - 8-inch - -	52	4 16 -	7 8 -	4 - -	16 4 -
" " - 32-pounder -	1	5 3 -	3 10 -	2 17 -	11 10 -
" " - 24-pounder -	11	44 16 -	31 12 -	25 3 -	101 11 -
" " - 8-inch - -	3	3 15 -	2 5 -	1 19 -	7 19 -
Marine travelling, assisting the packing of	-	- 12 -	- - -	- 4 -	- 16 -
Carts, to tip - - - -	51	142 8 -	92 3 -	77 3 -	311 14 -
" forage - - - -	24	47 17 -	28 12 -	25 3 -	101 12 -
" forge - - - -	16	93 15 -	79 8 -	57 - -	230 3 -
" hand - - - -	5	1 15 -	- 14 -	- 16 -	3 5 -
" water - - - -	29	60 - -	22 11 -	27 3 -	109 14 -
" sling - - - -	4	1 9 -	- 13 -	- 14 -	2 16 -
" store - - - -	14	53 2 -	32 9 -	28 3 -	113 14 -
" medical - - - -	9	11 4 -	13 1 -	8 - -	32 5 -
" ammunition - - - -	1	- 5 -	- 3 -	- 3 -	- 11 -
" Maltese, complete - - -	460	720 - -	581 18 -	428 7 -	1,730 5 -
Cartouches, - - - -	2	5 10 -	4 7 -	3 5 -	13 2 -
Cartouches, canvas, Armstrong's -	24	1 6 -	2 - -	1 2 -	4 8 -
Cases, packing - - - -	702	132 6 -	28 15 -	53 - -	214 3 -
" powder, whole - - - -	262	10 15 -	5 15 -	5 9 -	21 19 -
" " half - - - -	33	1 10 -	- 4 -	- 11 -	2 5 -
" " quarter - - - -	166	5 1 -	- 17 -	1 19 -	7 17 -
" metal lined - - - -	276	3 1 -	1 17 -	1 12 -	6 10 -
Chains, backband - - - -	6	- 1 -	- - -	- - -	- 1 -
Chocks, dismounting - - - -	2	- 4 -	- 1 -	- 2 -	- 7 -
Cleats, 40-pr. travelling carriage, covered with } iron - - - - } -	-	- 2 -	- 5 -	- 2 -	- 9 -
Cloth, scolloped - - - - sets	25	- 13 -	- - -	- 4 -	- 17 -
Coins, gun, smooth bore - - - -	18	- 3 -	- 2 -	- 2 -	- 7 -
Cot, ambulance waggon - - - -	1	- 2 -	- 1 -	- 1 -	- 4 -
Covers, loin - - - -	24	1 - -	- 4 -	- 8 -	1 12 -
Drugs, West India pattern - - - -	4	3 16 -	1 5 -	1 13 -	6 14 -
Dubbing, tins, adjusting and soldering - - -	-	4 7 -	- 5 -	1 10 -	6 2 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH—Statement (C.) Return of Stores Converted, &c.—*continued.*

DESCRIPTION OF ARTICLES.	Total Number delivered to Principal Superintendent of Stores.	ACTUAL COST, Divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Facings, sheepskins - - - - sets	12	- 6 -	- - -	- 2 -	- 8 -
Fitting decks for H.M. ships and gun-boats -	-	262 6 -	- - -	86 6 -	348 12 -
Flanges for platforms - - - -	2	- 1 -	- 1 -	- 1 -	- 3 -
Forges, portable - - - - -	1	- 7 -	- 1 -	- 3 -	- 11 -
Hames, iron - - - - - pairs	50	4 15 -	- 6 -	1 13 -	6 14 -
Handles, for forks - - - - -	820	6 9 -	4 - -	3 9 -	13 18 -
Handspikes, added to 40-pounder pattern carriage	3	- 2 -	- 5 -	- 2 -	- 9 -
Haversacks, lettered and painted - - - -	116	- 2 -	- - -	- 1 -	- 3 -
Harness, lasso, surcingles - - - - sets	171	43 12 -	16 1 -	19 13 -	79 6 -
" draught - - - - -	1,881	839 14 -	986 2 -	600 15 -	2,426 11 -
" driving - - - - -	300				
" pony - - - - - sets	30	9 1 -	2 9 -	3 16 -	15 6 -
Instructing military artificers - - - - -	-	- 7 -	- - -	- - -	- 7 -
Irons, guard - - - - -	-	1,308 8 -	275 4 -	521 - -	2,104 12 -
" stirrup - - - - - pairs	105	1 5 -	- 2 -	- 9 -	1 16 -
Kettles, camp - - - - -	800	6 2 -	4 8 -	3 9 -	13 19 -
Ladders, ammunition - - - - -	1,064½	11 - -	3 12 -	4 16 -	19 8 -
Lead, white - - - - -	6	- - -	- 2 -	- 1 -	- 3 -
Levers, iron handerow - - - - -	20	5 2 -	2 4 -	2 8 -	9 14 -
Limbers, for carriages (Armstrong's) - - -	2	6 13 -	7 7 -	4 12 -	18 12 -
" " smooth bore - - - - -	1	4 12 -	3 19 -	2 16 -	11 7 -
" " mortar - - - - -	1	9 2 -	5 15 -	4 17 -	19 14 -
" for small arm ammunition - - - -	36	59 4 -	37 19 -	32 - -	129 3 -
Numnahs, leather - - - - -	5	- 10 -	- 11 -	- 7 -	1 8 -
Pannels, saddle, officers' - - - - -	70	11 15 -	12 19 -	8 4 -	32 18 -
Patterns for carpenters' and miners' tools -	-	2 2 -	3 9 -	1 16 -	7 7 -
" adjusted for guns - - - - -	3	- 1 -	- - -	- - -	- 1 -
Pivots, gun, altering position of - - - -	1	30 6 -	- - -	9 19 -	40 5 -
Plates, iron, railway trucks - - - - -	4	- 12 -	- 17 -	- 10 -	1 19 -
" " radius - - - - -	-	20 3 -	- - -	6 12 -	26 15 -
" " for coins - - - - -	6	1 3 -	- 2 -	- 8 -	1 13 -
Platforms, traversing, dwarf, or casemate -	43	276 15 -	687 19 -	317 8 -	1,282 2 -
Plugs, armory rifles - - - - -	13,000	40 4 -	18 19 -	19 9 -	78 12 -
Pockets, tube leather - - - - -	100	- 7 -	1 1 -	- 9 -	1 17 -
Rammers, Armstrong gun - - - - -	1,198	12 10 -	2 3 -	4 16 -	19 9 -
Rollers, shifting - - - - -	12	- 1 -	- 1 -	- 1 -	- 3 -
Saddles, pack, with harness (complete), R.C.D. -	483	73 2 -	49 1 -	40 4 -	162 7 -
" cases, pannel, stuffed and fitted - -	200	24 16 -	30 15 -	18 6 -	73 17 -
" cart - - - - -	1	- 2 -	- 1 -	- 1 -	- 4 -
Scythes - - - - -	2	- 8 -	- - -	- 3 -	- 11 -
Shafts, frame - - - - - pairs	1	- 15 -	- 16 -	- 10 -	2 1 -
Shovels, iron - - - - -	700	5 9 -	- - -	1 16 -	7 5 -
Shoes, horse - - - - -	28	- 3 -	- - -	- 1 -	- 4 -
Slides for pivot guns, 68-pounder or 10-inch -	16	49 11 -	44 4 -	30 18 -	124 13 -
" " 32-pounder or 8-inch - - - -	6	16 7 -	20 6 -	12 1 -	48 14 -
" " carronade, 24-pounder - - - -	2	2 17 -	- 18 -	1 4 -	4 19 -
Spunges, gun (Armstrong) - - - - -	158	1 1 -	- 8 -	- 10 -	1 19 -
Staples, holster - - - - -	10,000	7 17 -	- 17 -	2 17 -	11 11 -
Sticks, portfire - - - - -	96	- 18 -	- 2 -	- 7 -	1 7 -
Swingletrees for railway trucks - - - -	12	3 - -	- 9 -	1 3 -	4 12 -
Tampeons, wood, of sizes - - - - -	1	- 9 -	- 4 -	- 4 -	- 17 -
Timber sawn, feet superficial, ash - - -	50	80 6 -	- - -	26 8 -	106 14 -
" " beech - - - - -	25	18 - -	- - -	5 18 -	23 18 -
" " deals - - - - -	6,207	382 8 -	- - -	125 16 -	508 4 -
" " elm - - - - -	140	136 9 -	- - -	44 18 -	181 7 -
" " oak - - - - -	177	243 9 -	- - -	80 2 -	323 11 -
" " fir - - - - -	90	75 3 -	- - -	24 14 -	99 17 -
Tins, for grease - - - - -	1,055	11 17 -	5 15 -	5 16 -	23 8 -
Trails, spare gun - - - - -	1	- 2 -	- - -	- 1 -	- 3 -
Traversing of pivot gun - - - - -	-	2 18 -	- - -	- 19 -	3 17 -

No. 1.—ROYAL CARRIAGE DEPARTMENT, WOOLWICH--STATEMENT (C.) Return of Stores Converted, &c.--continued.

DESCRIPTION OF ARTICLES.	Total Number de- livered to Principal Superintendent of Stores.	ACTUAL COST, Divided into Wages and Material.		Indirect Expenditure.	TOTAL COST.
		Wages.	Material.		
		£. s. d.	£. s. d.	£. s. d.	£. s. d.
Trucks, coal, railway - - - - -	15	23 6 -	25 11 -	16 1 -	64 18 -
Trunnion holes, altering - - - - -	-	- 2 -	- - -	- 1 -	- 3 -
Wagons, ambulance - - - - -	28	160 4 -	203 4 -	119 8 -	482 16 -
„ forage - - - - -	40	154 1 -	94 - -	81 12 -	329 13 -
„ cooking - - - - -	2	29 17 -	5 19 -	11 16 -	47 12 -
„ pontoon - - - - -	9	25 10 -	8 5 -	11 2 -	44 17 -
„ forge - - - - -	7	116 14 -	84 7 -	66 3 -	267 4 -
„ bread - - - - -	6	72 1 -	43 17 -	38 3 -	154 1 -
„ general service (complete) - - - - -	596	3,585 - -	3,041 9 -	2,180 6 -	8,806 15 -
„ store - - - - -	9	77 16 -	57 17 -	44 13 -	180 6 -
„ ammunition - - - - -	315	1,179 16 -	1,171 - -	773 10 -	3,124 6 -
„ examination of, fitted with Soyer's stores.	-	2 - -	- - -	- 13 -	2 13 -
Wheels, travelling carriage - - - - -	60	14 3 -	38 14 -	17 8 -	70 5 -
„ wagons - - - - -	153	52 10 -	90 4 -	46 19 -	189 13 -
„ carts - - - - -	240	55 15 -	45 13 -	33 7 -	134 15 -
„ spare - - - - -	63	33 17 -	27 14 -	20 5 -	81 16 -
„ double draught - - - - -	92	22 11 -	12 15 -	11 12 -	46 18 -
Woodwork for carriages - - - - -	18	1 6 -	5 10 -	2 5 -	9 1 -
TOTAL - - - - - £.		14,511 - -	12,075 - -	8,747 3 -	35,333 3 -

H. Clerk,
Superintendent, Royal Carriage Department.

STATEMENT (D).

CAPITAL ACCOUNT of the ROYAL CARRIAGE DEPARTMENT, for the Year 1863-64.

Dr.				Cr.			
	£.	s.	d.		£.	s.	d.
To Balance for Net Amount of Capital on the 1st April 1863, see Statement of last Year :				By Production, 1863-64. For one Year's Depreciation on Plant, &c., viz. :			
Buildings - - - - -	77,148	1	3	5 per cent. on Buildings (77,148 l. 1 s. 3 d.) see per contra - - - - -	3,857	8	1
Machinery - - - - -	38,741	11	5	10 per cent. on Machinery (38,741 l. 11 s. 5 d.), see per contra - - - - -	3,874	3	1½
			115,889 12 8				7,731 11 2½
Army Supplies, 1863-64 :				By Balance for Net Amount of Capital on the 31st March 1864, viz. :			
For Amount expended, 1863-64 :				Buildings - - - - -	76,515	4	6
New Buildings - - - - -	3,224	11	4	Machinery - - - - -	38,246	13	9½
New Machinery - - - - -	3,379	5	6				114,761 18 2½
			6,603 16 10				
	£.	122,493	9 6		£.	122,493	9 6

H. Clerk,
Superintendent, Royal Carriage Department.

— No. 2. —

ROYAL GUN FACTORIES, WOOLWICH ARSENAL.

(A.)—BALANCE SHEET, ROYAL GUN FACTORIES, WOOLWICH ARSENAL, for the Year 1863-64.

Dr.

Cr.

To Balance :			£. s. d.			By Balance :			£. s. d.		
For Stores in Stock, 1st April 1864 - - - - -	86,411	9 9½				For Stores in Stock, 31st March 1864 - - - - -	65,721	18 4			
For semi-manufactured - - -	55,680	12 6				For semi-manufactured Articles in Stock, 31st March 1864 -	118,606	5 6¼			
			142,092	2 3¾					184,328	3 10¼	
To Army Supplies, 1863-64—For Cash advanced through Paymaster General, and expended on the following Services, during the Year 1863-64 :						By Capital Account :					
Salaries - - - - -	4,298	- 7				For New Buildings added during 1863-64 - - - - -	1,893	15 11¾			
Military Pay of Superintendent	163	9 9				New Machinery added during 1863-64 - - - - -	6,790	2 -			
Wages - - - - -	58,792	18 11				For ditto for Portsmouth - - -	169	- -			
Wages to Men invalided on Medical certificate - - -	1,048	15 6							8,852	17 11¾	
Stores, Material, &c. - - -	58,308	14 9½				By Production Account :					
Miscellaneous Services - - -	394	11 11				For Completing and Repairing various Armstrong Guns, Manufactured in 1862-63, as per Statement (B.) - - -	2,488	15 5½			
Gas - - - - -	630	2 11				For Manufacturing various natures of Armstrong Guns during 1863-64, as per Statement (C.) - - - - -	7,842	17 11¾			
Repairs to Gas Fittings - - -	350	19 2				For Manufacturing Fittings and Spare Articles, &c. for Armstrong Guns during 1863-64, as per Statement (D.) - - - - -	37,077	10 7½			
Water - - - - -	280	- -				For Miscellaneous Services performed during the Year 1863-64, as per Statement (E.) - - - - -	30,283	11 6¼			
Police - - - - -	1,333	- -				For Manufacturing Fittings and Spare Articles for Smooth Bore Ordnance during the Year 1863-64, as per Statement (F.) - - - - -	9,508	4 11¼			
Military Train and Contract Horses, Carts, and Drivers -	1,068	6 -							87,201	10 6¼	
Divine Service - - - - -	107	10 -				By Sundry Departments :					
Medical Department - - -	372	19 3				For Value of Stores, &c. issued to various Departments, 1863-64 - - - - -	21,005	- 4¾			
Library - - - - -	13	15 -				For Amount expended for Men travelling to Out-stations -	164	11 5			
Schools, Royal Arsenal - - -	53	11 1				For Obsolete Stores transferred to Principal Superintendent of Stores during 1863-64 -	1,727	14 2			
Repairs to Buildings - - -	2,841	2 3¾							22,897	5 11¾	
New Buildings - - - - -	1,893	15 11¾									
New Machinery - - - - -	6,959	2 -									
Superannuations - - - - -	892	3 7									
Gratuities to Workmen - - -	466	8 4									
Gratuities to Police - - -	5	- -									
			140,274	7 -½							
To Miscellaneous Service, 1863-64—For Amount not defrayed out of Army Supplies :											
Stationery - - - - -	645	14 3									
Rates - - - - -	400	- -									
Rental of Quarters - - -	155	- -									
			1,200	14 3							
To Sundry Departments, 1863-64 :											
For Value of Stores, &c., received from various sources, during the Year ending 31st March 1863-64 - - - - -	19,709	4 10½									
For Work performed by other Departments, 1863-64 - - -	3	9 10½									
			19,712	14 9							
	£.		303,279	18 4½			£.		303,279	18 4½	

Memorandum.—The above results are exclusive of any charge for depreciation of plant, &c. If a charge be raised for this item, viz., at 5 and 10 per cent. on buildings and machinery respectively it will amount to 18,003 *l.* 15 *s.* 5 *d.*, and the cost of production would be increased by 20·64 per cent. See separate Statement of “Capital Account.”

Memorandum.—The above results are exclusive of any charge for depreciation of plant, &c. If a charge be raised for this item, viz., at 5 and 10 per cent. on buildings and machinery respectively it will amount to 18,003 £. 15 s. 5 d., and the cost of production would be increased by 20·64 per cent. See separate Statement of "Capital Account."

H. W. S. Whiffin,
Chief Auditor.

F. A. Campbell, Colonel, R.A.,
Superintendent.

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—*continued.*

STATEMENT (B.)—COST of REPAIRS and Completing the following GUNS, Manufactured in 1862-63, but not Proved; and this Expense is consequent upon the Repair, &c., &c., after Proof, during 1863-64:—

Number of Order.	NATURE.	Number Made.	Labour.	Material.	General Expenses.	TOTAL.
			£. s. d.	£. s. d.	£. s. d.	£. s. d.
2	110-pounder, light - -	11	129 18 5½	234 2 9¼	80 2 11½	444 4 2
4	40-pounder, G. P. - -	49	676 7 7	662 14 10½	417 5 1¾	1,756 7 7¼
5	40-pounder, wedge - -	11	65 9 -	11 3 5¾	40 7 6¼	117 - -
11	9-pounder - - - -	3	28 7 1¾	24 12 -	17 9 10¼	70 9 -
13	6 pounder - - - -	4	36 15 2	41 6 -	22 13 6¼	100 14 8¼
	TOTAL - - -	78	936 17 4	973 19 1½	577 19 -	2,488 15 5½

STATEMENT (C.)—MANUFACTURING the following Natures of ARMSTRONG GUNS, including Vent Pieces, Breech Screws, Levers, Tappets, Pins Keep, Gauges, and the Repair of Tools, &c., &c.:—

Number of Order.	NATURE.	Number Made.	Labour.	Material.	General Expenses.	TOTAL.
			£. s. d.	£. s. d.	£. s. d.	£. s. d.
4	40-pounder, G. P. - -	9	423 16 9½	827 5 9¼	261 9 3¾	1,512 11 10½
7	20 pounder - - - -	20	727 14 -½	1,019 4 5¼	448 18 4¾	2,195 16 10½
9	12-pounder - - - -	4	135 12 5½	61 6 9¾	83 13 3¼	280 12 6½
11	9-pounder - - - -	40	1,414 17 10½	1,385 2 11¼	872 16 5	3,672 17 2¾
13	6-pounder - - - -	3	84 - 9	45 2 3¼	51 16 5¼	180 19 5½
	TOTAL - - -	85	2,786 1 11	3,338 2 2¾	1,718 13 10	7,842 17 11¾

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—continued.

STATEMENT (D).—MANUFACTURE OF FITTINGS AND SPARE ARTICLES FOR ARMSTRONG GUNS, Orders 16 to 342.

Labour	£.	s.	d.
Material	18,216	8	3½
Proportionate Share of other Expenses	7,623	9	5
	11,237	12	11½
Total			
	37,077	10	7½

Number of Order.	AUTHORITY.	DESCRIPTION.	Number Made.	Labour.	Material.	General Expenses.	Total Cost.
16	4 June 1861 (73—3—1088)	Packing guns, vent pieces, special tools, facing implements and small stores, for issue by the Principal Superintendent of Stores.	-	£. s. d. 727 9 4½	£. s. d. 146 6 11	£. s. d. 448 15 6	£. s. d. 1,322 11 9½
17	21 January 1861 (73—3—1700)	Sighting, browning, and finishing, after proof, various natures of Armstrong guns and fittings, including levers, tappets, and breech screws, also the preparation of gauges, tools, &c., but exclusive of lights:	6	3,098 19 11½	81 13 9½	1,911 15 1½	5,092 8 10½
18	"	110-pounder -	12				
19	"	110-pounder, light -	10				
20	"	70-pounder -	11				
21	"	40 pounder, wedge	95				
22	"	40-pounder (G. P.) -	20				
23	"	20-pounder -	2				
24	"	12-pounder -	59				
27	"	12-pounder -	8				
28	"	9-pounder -	-				
30	"	6-pounder -	-				
31	"	40-pounder (O. P.) -	1				
32 & 33	4 October 1862 (73—3—3290)	Manufacturing and completing vent pieces for store, to meet demands, including the manufacture of tools, alteration of plant, &c., but exclusive of those made for and charged to the guns:	499	2,833 3 10½	2,633 2 4	1,747 15 11½	7,214 2 1½
35	"	Vents, 110-pounder	275	938 12 7	568 10 3½	575 19 1½	2,078 1 11½
45	"	Vents, 40-pounder (G. P.) -	131	365 13 -	380 18 8½	225 11 5	972 3 2½
38	"	Vents, 40-pounder (O. P.) -	59	277 7 6½	72 17 4½	171 2 3½	521 7 2
39 & 40	"	Vents, 20-pounder	406	864 16 5	410 3 11½	533 10 1½	1,808 10 6
41	"	Vents, 12-pounder -	144	315 8 10½	127 5 3	194 11 11½	637 6 1
43	"	Vents, 9-pounder -	73	114 4 -	19 14 1½	70 8 11½	204 7 1
	"	Vents, 6-pounder	-	-	-	-	-

[illegible]

*The forgings were not charged, being produced from refuse iron turnings.

162	21 January 1861 (73-3-1700)	Manufacturing various natures of rings, indicator, for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c., but exclusive of those made for and charged to the guns:	68	41	18	7½	6	-	11½	25	17	3½	73	16	10½
163	"	40-pounder -	7												
	"	110-pounder -													
167	15 December 1862 (73-3-3444)	Manufacturing and completing various natures of plugs for breech tangent sights for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:	139	255	-	3½	14	16	2½	157	6	4½	427	2	10½
168	"	12-pounder -	374												
170	"	40-pounder -	88												
	"	9-pounder -													
169	14 June 1862 (73-3-3065)	Manufacturing and completing various natures of plugs for trunion sights for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:	368	68	13	7½	2	6	8½	42	7	4½	113	7	8½
171	"	40-pounder -	2												
173	{ 11 April 1862 } { 21 April 1862 } (73-3-2934)	Completing gun metal saddles and screws for 110-pounder Armstrong guns for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.	20	18	2	2½	3	4	2½	11	3	5	32	9	9½
176	{ 21 February 1860 (73-3-832) } { 29 January 1861 (73-3-832) }	Manufacturing and completing various natures of sights, breech, tangent, for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:	20												
179	"	70-pounder -	110												
183	"	110-pounder -	56												
193	"	110-pounder, light	63												
203	"	40-pounder -	28												
209	"	12-pounder -	68												
213	"	9-pounder -	10												
219	"	6-pounder -	2												
	"	300-pounder -													
177	19 August 1863 (73-3-4296)	Manufacturing and completing various natures of sights trunion, for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:	20												
180	"	70-pounder -	152												
184	"	110-pounder -	16												
204	"	110-pounder -	24												
210	"	12-pounder -	75												
214	"	9-pounder -	13												
220	"	6-pounder -	4												
	"	300-pounder -													
181	9 April 1863 (57-Ports.-1396)	Manufacturing bars, tangent wood, for 110-pounder Armstrong guns, for store, to meet demands.	100	39	4	1½	9	19	8	24	3	8½	73	7	6½
191	15 January 1864 (57-23-419)	Manufacturing tangent scales wood, 40-pounder Armstrong guns, for store, to meet demands.	1	-	9	3½	†	-	-	-	5	8½	-	15	½

* The forgings were not charged, being produced from refuse iron turnings.

† Made from a small piece of refuse wood.

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (D.)—Manufacture of Fittings and Spare Articles for Armstrong Guns—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Number Made.	Labour.	Material.	General Expenses.	Total Cost.
				£. s. d.	£. s. d.	£. s. d.	£. s. d.
199	15 August 1863 (57—2—8014)	Altering various natures of sights ratchet, for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c. : 20 and 40-pounder - - - - -	33	4 4 6	-	2 12 1½	6 16 7½
207 211	11 April 1862 - - - - - " - - - - -	Manufacturing various natures of sights wood, instruction, for store, to meet demands : 12-pounder - - - - - 9-pounder - - - - -	13 9	133 3 1½	4 12 7	82 2 10½	219 18 7½
216	15 August 1863 (57—2—8014)	Manufacturing sights, dispart, 6-pounder, for Armstrong guns, for store, to meet demands.	15	10 18 8½	- 7 11½	6 14 11½	18 1 7½
230 231 232	29 January 1861 (73—3—1700) " - - - - - " - - - - -	Manufacturing various natures of eyes elevating, patches, &c., for store, to meet demands, including gauges, tools, alteration and repair of plant, &c. : 20-pounder - - - - - 12-pounder - - - - - 9-pounder - - - - -	143 397 16	166 8 9½	14 11 7½	102 13 6½	283 13 11½
241 242	11 April 1862 (G.—13—163) " - - - - - " - - - - -	Manufacturing various natures of hammers percussion, for store, to meet demands, including gauges, tools, alteration and repair of plant, &c. : 110-pounder - - - - - 40-pounder - - - - -	358 246	579 3 10½	23 12 2½	357 5 11½	960 2 -½
251 253	- - - - - " - - - - - " - - - - -	Manufacturing various natures of screws preserving, for store, to meet demands - - - - -	500 1000	14 9 9½	- 14 3½	8 18 9½	24 2 10½
255	1 September 1863 (54—Artillery—1227—6).	Manufacturing screw drifts for cleaning vent pieces, for store, to meet demands.	95	9 6 4	- 15 1½	5 14 11½	15 16 4½
259 260 261 325	21 February 1863 (73—3—832) " - - - - - " - - - - - " - - - - -	Manufacturing various natures of crutches and screws, for store, to meet demands, including gauges, tools, alteration and repair to plant, &c. : 110-pounder - - - - - 40-pounder - - - - - 20, 12, and 9-pounders - - - - - 70-pounder - - - - -	412 985 10	273 8 -½	1 10 7¼	168 13 2½	443 11 10½

Manufacturing various natures of scotchmen wood for store, to meet demands:

269 11 April 1862 (G.—13—103) - 41 206 18 5 66 14 4½ 127 13 - 401 5 9½
272 " " " " 161

Manufacturing and completing various natures of facing implements, in sets, for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:

275 29 December 1862 (73—3—3893) - 37
276 " " " " - 32
278 " " " " - 18
281 " " " " - 58
282 " " " " - 52

Forging three mandrils and lengthening bars for forging coils, rough turning bearings for the same, and forging swedges.

56 7 9½ 34 15 9 91 3 6½

Completing and finishing various natures of tools, special for store, to meet demands, including gauges, tools, alteration and repairs to plant, &c.:

290 & 291 1 Nov. 1862 (57—Tower—7250) - 497
" " " " - 607
" " " " - 534
" " " " - 701
" " " " - 583
" " " " - 259
" " " " - 555
" " " " - 579
" " " " - 682
" " " " - 324
" " " " - 590
" " " " - 17
" " " " - 149
" " " " - 508
" " " " - 243
" " " " - 261
" " " " - 179
" " " " - 101
" " " " - 148
" " " " - 25
" " " " - 88
" " " " - 93
" " " " - 98
" " " " - 20
" " " " - 175
" " " " - 178
" " " " - 280
" " " " - 87
" " " " - 6,419
" " " " - 1,156 4 2½ 218 16 7½ 713 5 4 2,088 6 2

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL.—Statement (D.)—Manufacture of Fittings and Spare Articles for Armstrong Guns—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Number Made.	Labour.		Material.		General Expenses.		TOTAL COST.	
				£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
292	- - - - -	Altering, repairing, and completing a bouching machine for bouching 110-pounder guns. Including taking it to pieces, and cleaning the same; turning, boring, screwing, and fitting a cast iron head; moulding, casting, trimming, boring, turning, and screwing a new gun-metal flanged bush, and fitting the same with three wrought iron screws; turning and screwing a wrought iron bush; forging, turning, screwing, and fitting a wrought iron pinion stud with nut complete, and fitting the same to cast iron head; moulding, casting, and trimming a gun-metal wheel; turning, boring, and cutting 19 teeth, and slotting keyway in the same; fitting wrought iron key, altering regulator wheel, including re-boring, facing, turning, and cutting 57 teeth in the same; repairing wrought iron tool box, fitting new set screw; altering and fitting two wrought iron box spanners, one plain spanner, and one tommy; altering and tempering two roughing tools, two knife tools, two conical tools, two screwing tools, and two finishing tools, and finishing machine off complete and ready for use.	-	12	18 5½	2	18 6½	7	19 5½	23	16 5
297	19 Aug. 1863 (73—3—4296)	40 and 20-pounder	3								
299	" " "	40-pounder	2								
300	" " "	12-pounder	3	60	12 6½	8	18 -½	37	8 -½	106	18 7½
301	" " "	9-pounder	10								
302	" " "	6-pounder	1								
306	{ 7 Nov. 1862 (57—29—456) - 4 Mar. 1863 (57—2—7499) - 22 Jan. 1863 (57—Sheerness—226) }	Manufacturing hand rifling machines, including gauges, tools, alteration and repairs to plant, &c.:	21	62	7 9½	10	12 8	38	9 9½	111	10 3

308	30 June 1863 (23-3-4086)	-	-	-	-	-	-	220	256 19 10 $\frac{1}{2}$	30 12 2 $\frac{1}{2}$	158 10 9 $\frac{1}{2}$	446 2 10 $\frac{1}{2}$
309	" "	-	-	-	-	-	-	329				
310	30 June 1863 (23-3-4086) 15 Sept. 1863 (73-3-4166)	-	-	-	-	-	-	402	76 19 10 $\frac{1}{2}$	16 14 - $\frac{1}{2}$	47 9 11 $\frac{1}{2}$	141 3 9 $\frac{3}{4}$
311	-	-	-	-	-	-	-	12	1 4 7 $\frac{1}{2}$	- 9 8	- 15 2	2 9 5 $\frac{1}{2}$
313	1 May 1863	-	-	-	-	-	-	109	66 12 5 $\frac{3}{4}$	1 5 1	41 2 -	108 19 6 $\frac{3}{4}$
318	19 Aug. 1863 (73-3-4247)	-	-	-	-	-	-	160	4 13 4 $\frac{1}{2}$	6 16 2 $\frac{1}{2}$	2 17 7	14 7 1 $\frac{1}{2}$
321	-	-	-	-	-	-	-	1,000	3 10 - $\frac{1}{2}$	10 4 5	2 3 2 $\frac{1}{2}$	15 17 7 $\frac{1}{2}$
339	4 Nov. 1862 (73-3-3361)	-	-	-	-	-	-	13	52 18 3	6 6 1	32 12 9 $\frac{1}{2}$	91 17 1 $\frac{3}{4}$
342	" "	-	-	-	-	-	-	10				
TOTALS - - £.									18,216 8 3 $\frac{1}{2}$	7,623 9 5	11,237 12 11 $\frac{1}{2}$	37,077 10 7 $\frac{3}{4}$

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—continued.

STATEMENT (E).—MISCELLANEOUS SERVICES, Orders 401 to 801.

Labour -	-	-	-	-	-	-	-	£.	s.	d.
Material -	-	-	-	-	-	-	-	8,030	7	- $\frac{1}{2}$
Proportionate share of other expenses	-	-	-	-	-	-	-	17,319	4	1 $\frac{1}{2}$
								4,934	-	4 $\frac{1}{2}$
Total								30,283	11	6 $\frac{1}{2}$

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
401	21 Feb. 1860 (73—3—832 W. 1599)	Cutting out old breech coppers from two 40-pounder G pattern, Elswick Ordnance Company guns, Nos. 614 and 615, and refitting the same with new ones, including hammering, drilling, turning, screwing, and fitting the breech coppers ready for use.	-	11 8	-	15 4	-	7 2½	1	14 2½
402	17 July 1861 (73—3—2090. D. 1450)	Re-coppering six 40-pounder Armstrong guns of the Elswick Ordnance Company's manufacture, and of the following numbers: No. 605, 607, 609, 612, 616, and 621, including cutting off copper bar; drilling and hammering the same to form the rings; turning, screwing, and fitting them, and taking off the old coppers and fitting the new ones to the guns ready for use.	1	15 -	2	16 4	1	1 8½	5	13 -½
406	25 Feb. 1864 (R. A. C. D. 13)	Cost of the attendance of an assistant foreman, and two boiler cleaners, at the clothing establishment, Pimlico; examining and cleaning the boilers.	1	17 4	-	-	-	-	1	17 4
407	30 Jan. 1864 (84—3—1043—4235)	Altering two instruments used for extracting shells, for Her Majesty's ship "Excellent," including cutting a metal plate for each; filing, drilling, and fitting the same to the inner face of each extractor block; drilling a hole in each plate, and cutting a slot in the same for the purpose of drawing the shell out of the gun.	-	8 9½	-	2 2½	-	5 4½	-	16 5
409	-	Adjusting the bearings and screw shaft of the engines of the War Department steamer "Balaklava," examining and repairing the Kingston safety valves, bushing the glands of valve gear with gun metal, and turning plunger for the same, including cutting out a plate from the bulk-head in order to raise the shaft, lining the bearings, turning and adjusting brushes, reborer plunger, repairing and adjusting Kingston blow-off valves, lining bushes for driving shaft of propeller; also, making patterns for one new gland and four bushes for Kingston valve; moulding, casting, trimming, turning, boring, and fitting the same; turning and boring glands for counter balance, refixing plate on bulk-head, and cutting india-rubber rings for packing the glands; also forging, turning, and screwing 37 bolts and nuts for bulk-head.	8	5 3	1	2 8	5	1 11	14	9 10
411	9 Nov. 1859 (O. S. C. 57—23—413—2910—480).	Preparing a set of drawings of Mr. Scott Russell's projectiles, for the service of the Ordnance Select Committee.	1	1 6	-	5 -	-	13 3	1	19 9

412	17 Feb. 1862 (61—Carriage Dep.—974)	Repairing the travelling crane at the proof butt, including taking to pieces and cleaning it; cutting a man-hole in iron flooring; making pattern, moulding, casting, trimming, turning, and fitting a new cast-iron barrel for chain; forging, turning, and fitting a new shaft, and fixing the pulley on the same; altering and repairing the slue gear, attaching the chain to the new barrel, and putting the crane in thorough working order.	3 16 7½	- 19 -	2 7 3	7 2 10½
413	9 Nov. 1859 (O. C. 57—23—413—2922—490).	Preparing one set of drawings complete in full detail of Mr. Whitworth's Ordnance iron 1-pounder mountain gun, experimental No. 248.	2 7 4	- 3 -	1 9 3	3 19 7
414	13 Feb. 1861 (57—Woolwich—3156) -	Altering a 110-pounder Armstrong gun (No. 15) manufactured by the Elswick Ordnance Company, including slotting the vent-hole and rounding the corners.	- 17 3½	- -	- 10 8	1 7 11½
415	9 Nov. 1859 (57—23—413. O. S. C. 2119—4801)	Fitting and adjusting the sights of a 9·22-inch, 6-grooved, shunt-rifled, wrought-iron gun, manufactured by the Elswick Ordnance Company, including drilling holes in gun and fitting therein two studs to support a quadrant at the muzzle to ascertain the elevation; stamping the weight, breech preponderance, and experimental number (209) on the trunnions.	1 6 2	- -	- 16 2	2 2 4
417	29 Feb. 1864 (O. C. 21—205) -	Altering the plunger of 110-pounder breech-loading gun (Experimental No. 225), rifled on the system of Mr. Westley Richards, including turning, fitting, and screwing a ¾-inch gun metal screw to the face of the plunger; moulding, casting, turning, drilling, and tapping a gun-metal nut, and fitting the same on end of screw for the purpose of securing the tin cup; cutting a small groove in the end of the gun, so as to clear the fuse of a shell while passing it on the slide bed; fitting a small iron rod, with a swell or hook on the end, and a cross handle, to draw out the plunger in case it should become set fast.	5 13 8½	- 2 6½	3 10 2	9 6 5½
444-7	{ 18 Dec. 1862 } (80—L.—209. 80—5— 9 Nov. 1859 } 207. 57—23—413)	Manufacturing four 7-inch muzzle-loading, wrought-iron guns, with steel internal tubes, and rifling the same for experimental trial; one on Mr. Lancaster's principle, one on Commander Scott's principle, one on the French principle, and one on the Ordnance Select Committee's principle; including coiling and welding five coils, and uniting them to form B tubes, coiling and welding three C coils, two D coils, one E and one F coil for each gun; rough and finish boring and turning steel tubes, rough and finish boring and turning the B tubes; boring and facing the various coils; boring, turning, shaping, planing, and fitting the trunnions; rough and finish boring and turning the breech pieces, and shrinking the whole together to form the guns; boring and screwing the breech to receive the cascables; forging four wrought-iron blocks to form the cascables; turning and screwing the same, and fitting them to the guns; finish turning the guns after uniting and fitting the whole complete; rifling the four guns, one upon each principle as above. (The performance of this service includes providing special tools, and adapting other tools, machines, and plant for the purpose of properly carrying out the various natures of work required in this manufacture.)	1,182 12 3½	2,829 11 3½	729 11 -	4,741 14 7
448	- - - - -	Altering and preparing 13 cylinder shot, to be used in proving two of the 7-inch experimental guns manufactured in the Royal Gun Factories Department; including reducing the shot at the base by turning them down, drilling a ¾-inch hole in the end of each, and screwing the same. Forging, turning, and screwing a wrought-iron handle to fit the above holes, to be used in extracting the shot. Turning outside of each shot, and cutting grooves in the same to hold the lead coating. Coating the shot with lead, and turning and finishing to gauge.	4 13 10½	7 - 1½	2 18 -	14 12 -

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
449	- - - - -	Manufacturing sights, and sighting four 7-inch experimental muzzle loading guns; including making pattern, moulding, casting and trimming 16 gun-metal sockets, and eight sights; drifting, turning, boring and screwing the sockets, forging, turning, and screwing eight copper handles and fitting the same to the sockets, turning and fitting the metal sights; fitting and completing the steel sights, engraving and bronzing the whole, and sighting the guns complete; also manufacturing four wrought iron shot bearers for the above guns, including forging and fitting frames, cutting and bending three wrought iron plates to each bearer, rivetting the same to frames; forging and fitting side handles to the centre of each bearer, and fitting wood handles to the same; forging and fitting two hooks to each bearer at the end next the muzzle of the guns, to hook on the same when loading. The three bearers intended for the guns rifled on Mr. Lancaster's, Commander Scott's, and the French plan, were rifled in continuation of the rifling of those guns at their muzzle, but the bearer intended for the Ordnance Select Committee's gun was not rifled.	84	17 11½	7	8 2½	52	7 6	144	13 7½
450	75—12—2087	Manufacturing sights, and sighting the 7-inch cupola gun, including moulding, casting, fitting, and finishing four gun-metal sockets, two breech tangent sights, and two washers; engraving and bronzing the breech tangent sights, forging, turning, and fitting two wrought iron bars for trunnion sights, and two copper tightening handles, fitting the same to sockets; also turning and fitting cross heads, elevating nuts, and two defective screws with milled heads, drilling and recessing holes in gun for trunnion sights and breech tangent sockets, and sighting the gun complete, making pattern, moulding, casting, and fitting gun-metal elevating patch, drilling and tapping holes in the gun to secure the same, and cutting grooves in the gun for handspikes; likewise, one steel template gauge with full figure of shunt rifling, and manufacturing a shot bearer, including forging three rings, cutting, bending, and rivetting three plates, forging and fitting two handles to the centre ring, fitting the same, with wood; rifling the shot bearer in continuation of the rifling of the gun at its muzzle, and fitting two wrought iron eye bolts on the face of gun muzzle to which to attach the shot bearer.	28	2 5½	2	5 3	17	6 11½	47	14 7½
451	27 Dec. 1862 (80—R.—119)	Converting a 12-pounder Armstrong gun into a breech-loader on Mr. Westley Richards' principle, including forging, fitting, and finishing a new breech arrangement, comprising pulley, wedge, screws, &c., and fitting the same to gun for further proof, the first breech stopper having failed at proof; altering lever, stops and blocks after second proof, and preparing gun for further proof, including sighting, bronzing, and finishing gun, and colouring fittings, taking off the trunnion, and turning it half round on the gun, and re-shrinking the same, and the front coil on to the gun; forging and fitting new steel stopper, having its end recessed to afford the necessary amount of expansion to seal the gun, including the preparation of drawings, gauges, tools, and alterations to plant necessary for the execution of this service.	18	8 10½	1	12 9	11	7 8	31	9 3½

458	9 Nov. 1859 (57-23-413)	-	126	1	1	56	7	13	77	15	3	260	3	53
460	10 Mar. 1864 (Reg. No. 21,299)	-	-	4	6	-	2	6	-	2	9	-	9	91
472	26 Mar. 1863	-	1	-	-	-	-	-	-	12	4	1	12	4
479	26 Jan. 1863 (80-R-120)	-	81	2	5	94	5	10	50	-	11	225	9	2
480	26 Jan. 1863 (80-R-120)	-	10	16	1	134	18	3	6	13	3	152	7	7
482	27 Jan. 1863 (Woolwich-12-134)	-	19	9	6	3	4	8	11	19	10	34	14	1
483	13 Nov. 1862 (Woolwich-210)	-	5	13	8	-	8	6	3	10	1	9	12	3
484	1 April 1863 (54-Artillery-11,472)	-	4	17	6	-	-	-	-	nil	-	4	17	6
488	31 Jan. 1863	-	4	16	3	-	-	2	2	19	4	7	15	10

Manufacturing special tools and implements required in the production of Mr. Westley Richards' 70-pounder gun, including altering and adapting machinery, tools, and implements required in the performance of this service.

Preparing a tracing of Mr. Westley Richards' 70-pounder breech-loading gun, for the Superintendent of the Royal Carriage Department, Royal Arsenal.

Engraving a breech tangent sight for the light 110-pounder Armstrong gun, in accordance with a table of ranges supplied by the Ordnance Select Committee, including polishing and bronzing the same.

Manufacturing a 12-pounder breech-loading gun on Mr. Westley Richards' principle, including centring, turning and boring a tube of Cammell's steel, tempering it in oil, and fitting it ready for the breech piece; the material of this tube being found defective, another had to be used; centring, boring and turning a breech piece of Taylor's iron, and shrinking the steel tube therein; drawing and scarfing ends, coiling bars and welding the various coils, boring and facing the same, and shrinking them on the steel tube to form the gun; forging, turning, boring, and shrinking an additional coil on the breech; turning the gun, finish, boring, broaching, rifling, chambering, and boring the breech end; slotting out the breech of gun, and fitting it to receive the stopper or wedge; planing all over a steel block or wedge, and tempering it in oil, forging and fitting a handle for the block and plunger, venting the gun, and completing it ready for proof; preparing drawings, altering and adapting machinery and tools necessary for the execution of this service.

Manufacturing coils and tube for Mr. Westley Richards' 12-pounder heavy gun; at this stage of the work the order was suspended.

Manufacturing additional guide-rails for the travelling crane in the new store, No. 20, Military Store Department. These new guide rails to correspond with the extension of the upper flooring in the centre of the above building; also, strengthening the rails previously laid down, throughout their entire length, with cast iron stays, including moulding, casting, turning, drilling and fitting 13 cast iron stays and 8 brackets, and fixing the same to floor (to support the rails) with wrought iron keys; forging, turning and screwing 104 wrought iron bolts and nuts for fixing guide rails in position; forging, filing and fitting 12 wrought iron wedges, and tightening-up the old guide rails with the same for the purpose of strengthening them.

Preparing drawings (for the Royal Military Academy, Woolwich), of the machine used for boring the large Armstrong guns.

An artificer attending 14 days, at Shorncliffe, for the purpose of examining and putting in proper order for experiment, the 12-pounder battery of improved guns; also, remaining in attendance, during the experiments, to give the necessary information relative to sighting of the same.

Completing a wooden side tangent scale, mounted with brass, and graduated according to pattern proposed by Captain Hewlett, for experiment, by the Ordnance Select Committee; including cutting, shaping, and planing a walnut-wood frame, for tangent scale, three feet in length, drilling and fitting brass mountings and slide; fitting and fixing the same to scale; fitting and fixing a brass indicator, and pointing the same with steel; turning, milling, and fitting a brass thumb-screw for securing the indicator; polishing tangent scale, graduating and engraving brass side plate, and finishing the whole complete; also preparing drawings to govern the manufacture of the same.

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL.—Statement (E).—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		TOTAL COST.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
491	30 Oct. 1862 (73—3—3344)	Preparing returns of the examination of all the Armstrong guns issued by the Royal Gun Factories' Department to the Principal Superintendent of Stores.	16	13	3½	-	10	5	26	18 10½
493	-	Preparing drawings and specifications for the Inspector of Machinery's Department for the following stations, namely: Chatham, Dover, Fimlico, Portsmouth, Shoeburyness, Woolwich, Aldershot.	71	2	11	2 - 4	43	17	117	1 1
494 } and 495 } 497 }	-	Melting metal turnings and borings, and casting the same into ingots	29	2	1	6,917 1 3	17	19	1	6,964 2 5
497	22 Jan. 1863 (57—W.—406)	Removing the badges from 16 9-pounder (old) smooth-bore guns; including chipping and filing; also, engraving and stamping the broad arrow reversed on the same; also, engraving and stamping the broad arrow reversed on 90 old carronades, namely: 39 6-pounder, 35 9-pounder, and 16 12-pounder.	2	4	6	-	1	7	5½	3 11 11½
501	27 Feb. 1862 (57—22—4885)	Repairing piston of steam-engine of the War Department steamer, "Balaclava;" including removing cylinder-cover, cleaning, examining, and repairing piston; replacing the same, and fitting on cylinder-cover, and putting the engines in thorough working order.	2	4	5	-	1	7	7½	3 12 -½
502	9 Nov. 1859 (57—23—413—O.S.C.—2472—98).	Making, cutting, and shaping to gauge, 60 pieces of carbon for the Ordnance Select Committee, for use in a galvanic battery, in connection with Navy's electro-ballistic pendulum.	4	14	-	-	2	18	-	7 12 -
503	-	Manufacturing three instruments for examining the bores of smooth bore guns, for the inspector of artillery, in accordance with the patterns of those at present in use, namely, one instrument for guns from 32-pounders to 68-pounders, one instrument for guns from 12-pounders to 24-pounders, and one instrument for guns from 3-pounders to 12-pounders, including moulding, casting, and trimming 84 gun-metal castings, for connecting guides and bearings, and guides for test rods; preparing and fitting the same to patterns, fitting steel parallel bars, surfaced on all sides, connecting the same with metal guides, preparing and fitting steel slide blocks, made so as to open and close by centre bars and screws with jointed guides and slides, cutting out, shaping and fitting brass bed plates, fitting the same with rack and dovetail motions, fitting brass right angled frames with rack and pinions. Fitting brass guides for testing rods with steel friction rollers and spring slides; fitting square steel rods with handles divided, fitting side test rods with milled heads, fitting side guides, spring boxes, racks for motion of indices, and angled guides for motion at head. Fitting a brass double divided arc to each instrument with pillars and stays, fitting steel pointers with recesses for their motion; also, preparing and fitting steel indices, rack keys and other fittings, to communicate motion from side rods, fitting double cranks, long springs, frames and hardened friction rollers for side of parallel bars, fitting steel spindles with bayonet catch, and friction rollers for side of guns, and finishing the instruments off complete; also, preparing and fitting two brass rules for adjusting the heads of instruments. Making the necessary tools for constructing the instruments, including taps, dies, cutters for milling pinions and rack, pin drills, rose bits, and jig for drilling. Making three wooden stools for supporting instruments, planing on one side two pine planks, 12 ft. long, 5 in. wide, and 3 in. thick; also, preparing one mahogany stand to support the head of instrument when in use, including cutting out and shaping the same, turning pedestal, and fitting into stand, turning and fitting a sliding wood spindle. Forging, turning, and fitting wrought iron ferrule for top of pedestal, drilling and tapping hole inside of the same. Forging, turning, and screwing a wrought iron thumb-screw, for fixing the slide to the height required, pointing the spindle with wrought iron, and tapering the same; fitting a wrought iron hinged rest, for instruments on top of the stand, and finishing off complete.	282	18	6½	19 19 -½	174	10	9	477 8 4½

504	13 Feb. 1861 (57—Woolwich—3156) - Repairing two 40-pounder guns, manufactured by the Elswick Ordnance Company, (Nos. 131 and 334), and making them in conformity with the sealed pattern; also repairing a set of facing implements. "No. 131," repairing 40-pounder gun, including rounding corners, facing breech-screw and tappet, boring-out lever to give the proper clearance, fastening the handle, and browning the same; manufacturing two vent-pieces, including turning, slotting, facing, shaping, and fitting; forging cross-heads and shackles, turning, shaping and fitting on the vent-pieces, and finishing the whole complete; repairing sights and sighting the gun, making and fitting a copper breech-ring, rounding the corners, filing grooves in bullet chamber, browning and completing the whole ready for issue. "No. 334," browning gun, lever and tappet, turning back and front of vent-pieces, drilling, tapping, and polishing the same; shaping for sight sockets, filing slot hole and fitting in sockets, drilling hole for stud, finishing bore after browning; fitting hammer, cutting vent opening; facing and polishing breech screw after proof, fitting feather in indication ring, and sighting the gun complete; also, repairing a set of 40-pounder facing implements with new cutters where required.	17	5	4½	4	18	11	10	13	1	32	17	4½
505	13 Feb. 1861 (57—Woolwich—3156) - Re-sighting a 9-pounder gun (No. 26), and fitting it with a new tube, including boring out old tube and extracting shell, drawing ends, scarfing, coiling and welding five coils; uniting the same to form a 1 A. tube; centreing, boring, and turning the same, and shrinking it in the gun. Turning and rounding muzzle, rifling, chambering, boring, broaching, screwing for copper, coppering and lapping, fitting breech tangent socket, finishing vent hole, fitting elevating patch, and screwing in elevating eye, browning gun, lever, and tappet, rounding lever, tappet, and keep-pins, finishing inside, fitting guide-plate, and sighting the gun complete; manufacturing breech tangent and trunnion sights, including forging steel bar for breech tangent sight, turning, screwing, shaping, and fitting to gauge, casting and trimming cross head and leaf, drilling and drifting milled heads and handle, finishing the whole, and engraving and bronzing the same complete; casting, boring, and turning socket for trunnion sight, turning bar and planing leaf, fitting and finishing complete, and blueing, manufacturing two new vent-pieces, including cutting-off bar, shaping, turning, boring and milling, drilling hole, and filling it with copper; forging cross head and handle, turning, drilling, and fitting the same, making copper ring, and fitting it on, fitting and rivetting cross head on vent-piece, and completing the whole ready for issue.	19	6	1½	10	4	-	11	18	2	41	8	3½
506	9 Nov. 1869 (O. S. C. 2522—141) - Testing the endurance of Mr. N. Vickers' 20-pounder steel gun, including turning the end, and facing the breech screw, re-facing the back of the vent-piece, removing the copper breech ring, and re-coppering the gun twice; also, fitting three copper rings to the vent-pieces during the process of testing and examining the gun from time to time. Manufacturing two copper breech rings and three vent rings, including cutting the copper into lengths, drilling and hammering them to form the rings, and turning, fitting, and screwing the same ready for use.	3	18	4½	1	7	9	2	8	5	7	14	6½
507	9 Nov. 1869 (O. S. C. 57—23—413. G. 14—395.) Preparing and altering for sealing as a pattern, a 12-pounder Armstrong gun, including reducing it 12 inches in length, turning off the C. coil, or coil before the trunnions, scarfing, coiling, and welding a new C. coil, boring, facing, turning, and shrinking the same on the gun, screwing the breech end for tangent ring, and turning, finishing, and browning the gun ready for sighting; turning, shaping, finishing, and fitting a new pattern steel vent-piece with shackles; forging, turning, fitting, and finishing a new pattern iron breech or sight ring, in lieu of gun metal. Manufacturing a new pattern set of sights, consisting of breech tangent, with cross heads, set screws, leaves, and bars; forging, turning, and fitting two hog-back trunnion sights; bronzing, engraving, and graduating the breech tangent sights; forging, turning, and screwing two copper tightening handles. Manufacturing a new pattern steel breech screw, including boring, turning, shaping, and screwing, also altering the lever and tappet, to suit the new pattern breech screw. Sighting and finishing the gun complete, ready for sealing. The expense incurred on this order includes the preparation of drawings, making and altering the various gauges required in the manufacture of the breech screw, vent, and sights; also altering and adapting the machinery as required to execute the above service; likewise the expense of various alterations which were made from time to time to the gun, to make it suitable for sealing as a pattern by the Ordnance Select Committee.	84	10	11½	9	3	11½	52	3	1½	145	18	-½

(This service was required to be completed in a very short time; much dispatch was therefore necessary, and the workmen were employed extra hours; hence the great expense in the item for labour.)

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.		
508	17 Dec. 1862 (73—3—3470)	- - - No. 68 with new chase and steel tube. No. 33, including boring, tapering, centreing, turning ends, finishing, tempering in oil, shrinking in gun, and cutting off ends of steel tube; broaching, chambering, and rifling the gun, slotting the vent opening, to suit the new pattern vent-piece, and finishing the gun ready for proof; manufacturing two new vent-pieces, including turning and planing the sides, turning back and front, slotting, milling, fitting sides to gauge, filing, turning, boring and screwing the neck, and filling with copper; forging cross head and shackles, turning, boring, screwing, milling and shaping the same, and fitting them complete; manufacturing a set of sights and saddle complete, including moulding, casting and trimming, turning, boring, and screwing milled nuts, vernier screw, and vernier bar boring; and fitting to gauge two hexagonal bars; engraving and bronzing the breech tangent sights complete; also forging, turning, shaping, screwing and blueing two trunnion sights; finishing inside of gun after proof, finishing vent opening, browning the gun, and sighting it complete and ready for issue. No. 68 gun repaired with new C. and D. coils and new chase, including coiling, welding, boring, facing, and recessing C. and D. coils; coiling, welding, and uniting three B. coils, to form the B. tube or chase; boring, tapering, centreing, turning ends, finish turning, tempering in oil, shrinking in gun, and cutting off ends of steel tube; turning, boring, broaching, chambering, rifling, and finishing the gun ready for proof.	64 15	2½	414 17 11½	40 - 2	£. s. d. 519 13 4			
509	9 Nov. 1859 (57—23—413)	- - - Manufacturing and fitting sights and sockets for a 300-pounder 10-grooved shunt rifled gun, including moulding, casting, trimming and fitting two gun-metal sockets, two breech tangent sights complete, and two tightening handles; drifting, turning, boring and screwing sockets, also turning and screwing two tightening handles, and fitting the same to the sockets; forging, turning, and fitting steel bar to gauge, turning and fitting cross heads and elevating nuts, and two deflecting screws with milled heads, and fitting the same to elevating nuts; also fitting, engraving, and bronzing the breech tangent sights. Drilling and recessing two holes to receive the trunnion sights, and fitting the same to the gun; drilling two holes through the breech end of the gun, and recessing and fitting the same to receive the breech tangent sockets; also forging two studs and fixing the same on the exterior of muzzle to support quadrant. Engraving the weight, breech preponderance, and number (Experimental No. 203) on one of the trunnions, and sighting the gun complete for experiment by the Ordnance Select Committee.	16 12	9½	- 19 8½	10 5 4	27 17 10½			
510	9 Nov. 1859 (57—23—413)	- - - Cutting off 4'518 inches from the muzzle end of the barrel of a smooth-bore musket of 1844 pattern, including facing and rounding the same, after cutting and preparing the musket for further experiment by the Ordnance Select Committee, in connection with Navey's electro-ballistic apparatus.	- 1	10½	- - -	- 1 1½	- 3 -½			
511	9 Nov. 1859 (57—23—413.—O. S. C. 2493—95.)	- - - Reducing Mr. Jeffrey's 5" experimental gun, No. 93, two calibres in length, for the purpose of ascertaining by experiment the effect produced by shortening the gun; including fitting mandril into the gun, centreing and fixing it in the lathe, cutting a piece off the muzzle, polishing the face, and rounding the edges.	- 12	10	- - -	- 7 11½	1 - 9½			

[illegible]

463.

No. 2.—ROYAL GUN FACTORY, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
520 & 573	9 Nov. 1859 (57—23—413. O. S. C. 2489).	Lining a 68-pounder cast-iron gun with a wrought-iron tube on Captain Palliser's principle; including boring the gun to receive the tube, and cutting a screw thread at its muzzle for fastening the tube in its place; drawing and scarfing bars, coiling and welding the same into seven coils, boring, facing, and uniting the coils to form the tube; rough turning and boring the tube, which was found to be slightly defective; drawing and scarfing bars, coiling, welding, boring, facing, and uniting the same to form a second tube in lieu of the defective one, and turning the same to fit the gun; forging, turning, and screwing a wrought iron plug, cutting an internal thread in the tube, and fitting the wrought iron plug therein; forging, turning, shaping and screwing a large octagonal nut for fastening the tube in its place; forging, shaping, and fitting a large octagonal spanner to fit the nut for the purpose of screwing or unscrewing the same to admit of the removal of the tube; drilling two holes at a tangent through the end of the nut; forging, turning, and fitting two pins to the same to fasten the nut to the tube; turning, drilling, and screwing a copper vent, drilling the vent hole, venting the gun and completing it ready for proof.	121	2 7	170	6 6½	74	14 6	366	3 7½
521	27 Nov. 1857 (61—M. D.—10)	Re-planing the surfaces of eight 12-feet lathe beds, for the Royal Laboratory Department, Royal Arsenal.	5	7 7	-	-	3	6 4½	8	13 11½
522	18 April 1863 (73—3—3835)	An artificer attending five days at Portsmouth, repairing slight defects in the 110-pounder and 70-pounder breech side-loading Armstrong guns on board Her Majesty's ship "Excellent."	1	11 2½	-	-	-	nil -	1	11 2½
523	10 April 1863 (73—3—3830)	Removing the projectile from a 6½ in. smooth-bore gun (Experimental No. 100), by boring the same out in a lathe: the projectile had become fixed in the bore during an experiment at the School of Gunnery, Shoeburyness.	-	10 8½	-	-	-	6 7½	-	17 4
524	7 April 1863	Adjusting the pressure gauge and indicator ring of the steam-engine at Bourley (Aldershot). The indicator ring and pressure gauge, being out of repair, were taken to pieces, examined, cleaned, and made to act properly, and two glass barometer tubes were supplied and fitted to the same.	1	5 4	-	2 -	-	15 8½	2	3 -½
525	-	Manufacturing a centrifugal machine, for experiments, for the Chemical Department, including preparing drawings, making pattern, moulding, casting, and trimming one cast-iron bed-plate, one frame, one circular tank with wooden cover, four brackets, and one spur-wheel; planing bed-plate, drilling and fitting frame and brackets, fitting a skeleton wire revolving cage inside the tank; boring, turning, and facing the spur-wheel; moulding, casting, trimming, drilling, turning, and fitting one gun-metal bush in the same, and three pinion wheels, cutting key-ways, forging, turning, and fitting one steel and two wrought-iron spindles; forging, turning, and screwing 34 wrought-iron bolts and nuts; forging and fitting wrought-iron handle for turning the machine, and keys for securing the pinion wheels.	28	9 -	9	9 6	17	11 -	55	9 6

526	13 April 1863 (51--84 Foot--626)	Statement showing the labour performed and cost incurred in the partial manufacture of 100 sets of gun-metal, setting-up blocks for chacos, for the clothing stores at Pimlico, including moulding, casting, and trimming 79½ complete sets, each set consisting of one stand or arm, four sections forming a chaco (namely, front, back, left and right sides), and one stand for compressing the crowns; completing 56 sets of the above, including turning and screwing each end of stand; turning, drilling, screwing, and facing metal crown, screwing the stand into the same; filing, fitting, and finishing the four sections to each finished set, filing, drilling, screwing, and fitting the metal arm; forging, turning, and screwing 56 wrought-iron screws, with shifting handles to the same, and fitting the screw to the metal arm, which is used in setting up the blocks to whatever size is required.	161	10	8½	58	19	8½	99	13	-	320	3	5
527	15 April 1863 (O. S. C. Letter)	Boring out and recessing breech end of Mr. Broadwell's 18-pounder brass breech-loading gun, and screwing the recess for the reception of a tempered steel bush; forging and turning steel bush, and boring out the same to receive a steel cup. Also, forging, turning, and fitting four screws, steel-expanding ring, steel sight, and four cups of toughened steel, for experiment by the Ordnance Select Committee. Also, preparing drawings of a proposed method of strengthening the breech end of gun by cutting off the present breech, and shrinking on a wrought-iron or steel breech piece.	28	3	10½	-	19	1½	17	7	11	46	10	10½
528	17 Feb. 1862 (61--Carriage Department --974).	Turning down, preparing, and testing three pieces of specimen metal for the Royal Carriage Department, for the purpose of ascertaining the tensile strain of each.	-	14	10	-	-	-	-	9	1½	1	3	11½
529	9 Nov. 1859 (57--23--413. O. S. C. 2507--127).	Manufacturing two sights and double-sliding tangent bars complete, with gun-metal sockets, on Commander Singer's principle, for experiment, with 110-pounder gun in Captain Coles' cupola, by the Ordnance Select Committee; forging, turning, cutting and fitting dovetail grooves in the external bars, to fitting the internal bar to the dovetail groove of the external bar, and graduating two vernier bars, with washers, two turning and fitting sockets; turning, screwing, and finishing eight wrought-iron screws with countersunk heads; turning, screwing, and fitting four tightening screws, graduating, and fitting the whole together, and making them ready for use.	11	7	2	1	18	9	7	-	2	20	6	1
530	18 April 1863 (57-23-1337)	Sighting and fitting sights and sockets to a 150-pounder smooth bore muzzle-loading gun, including drilling two holes, and countersinking the same for trunnion sights, and fitting the sights to the gun; drilling two holes through the breech end of the gun for the breech tangent sockets, recessing and fitting the same to receive the sockets, marking the trunnion of the gun Experimental No. 133, and sighting the gun complete for experiment by the Ordnance Select Committee at Shoeburyness.	7	14	3½	-	-	-	4	15	3	12	9	6½
531	27 Nov. 1857 (61--Military Department--10).	Repairing a 12-pounder Armstrong gun, of the Elswick Ordnance Company's manufacture, with new breech-copper, breech-screw, vent-piece, and keep-pins, for the service of the Royal Laboratory, including facing breech-screw, boring hole, turning and lapping-out, cutting the screw, shaping and fitting the octagon, cutting ends of thread, rounding mouth of hole, facing, polishing, and making it ready for use. Cutting off bar to make the vent-piece, turning, slotting, shaping, and fitting the same; forging the cross-head and shackles, turning, fitting, polishing and bluing the same, and completing the vent for use. Forging, turning, fitting, and hammering four keep-pins. Cutting the copper from bar to make the breech-ring, and drilling the same, turning, screwing, and fitting it complete, removing the old copper from the gun, and fitting the new one in its place.	3	17	10½	4	18	10	2	8	1	11	4	9½

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.
			£.	s. d.	£.	s. d.	£.	s. d.	
532	9 Nov. 1859 (57—23—413. O. S. C.—2509—132).	Preparing drawings of the 7-inch wrought iron muzzle-loading gun, rifled on the plan proposed by the Ordnance Select Committee, and manufactured on War Office Order 447.	2	9 7	-	-	1	10 7	£. s. d. 4 - 2
533	27 Aug. 1863 (80—R.—131)	Converting a 110-pounder Armstrong gun into a breech-loader, upon the plan proposed by Mr. Westley Richards, including turning and screwing a solid steel block, and permanently fixing it in the end of the gun, in place of the original hollow-breech screw; also, boring a hole through the same, to allow the charge to be passed into the gun. Removing the trunnion and outer coil, turning them half round, and re-shrinking them on the gun, so as to bring the vent opening in a horizontal position, instead of a vertical one, as it was originally. Enlarging the vent opening to receive a steel block or wedge used in this system of breech-loading, and making and fitting therein a small friction roller to take the bearing off the block during the process of loading. Drilling a hole through the breech of the gun, on the top of the wedge opening, to receive a spring stopper, intended to prevent the wedge from slipping out of the gun. Making the spring stopper, and fitting it ready for use. Planing two large sliding blocks or wedges, for the purpose of opening and closing the breech during the process of loading; boring a hole seven inches diameter through the end to admit of the charge being passed through. Forging, turning, and fitting a wrought-iron handle to each block; cutting a recess in the blocks, five inches deep, to allow them to pass over the plunger handle when opening or closing the breech; cutting a slot in the top of the blocks to catch the spring stopper; making and fitting two friction rollers to each block. Turning, fitting, and tempering a steel plunger, with bow handle, to form the cup for the breech, it being kept in its place by the sliding-block or wedge passing behind it; forging, turning, and fitting a wrought-iron spring box or flange, and fixing it on the handle of the plunger to keep it in its place, and fitting the whole complete and ready for proof. Manufacturing and fitting a new plunger and gun-metal ring round the breech end of the gun after first proof, including turning the breech end of the gun to receive the gun-metal ring, which is fitted with a flange for supporting a wooden table or rest for the shot and plunger, and making various alterations to the table. Making pattern, moulding and casting the gun-metal ring, drilling a hole in the same, boring and screwing it to fit the breech end of the gun, drilling four holes in the flange, with a wrought-iron screw on the top; also, turning, fitting, and tempering a second steel plunger, much shorter than the first, and fitting it with a gun-metal spring box, in lieu of the wrought-iron one used with the first plunger, in accordance with instructions received from Mr. Westley Richards, and fitting the whole complete for second proof. Making further alterations to plunger after second proof, including cutting off the end which formed the cup; turning and screwing it to receive a copper ring; turning and screwing the copper ring, and fitting it to the end of the plunger; turning and fitting a steel cup for the plunger. Making a steel stop and fitting it to the wedge, for the purpose of keeping it in its place when the gun is loaded; cutting a recess in the wedge opening for the stop to drop in, and completing the gun ready for issue.	149	13 6½	119 7 8½	92	6 9	361	8 -
534	9 Nov. 1859 (57—23—413)	Manufacturing one brass cup, with metal spirit lamp and spoon for melting wax, for use of Ordnance Select Committee when sealing patterns, including making pattern, moulding, casting, trimming, turning, and fitting them up; also, cutting out, shaping, and finishing one copper spoon. The cup was originally made to fit on to the stand with a socket, but not being considered safe, it was afterwards altered, and made to screw on.	3	1 ½	- 2 4½	1	17 8	5	1 1

Manufacturing four gun-metal bearings and 46 wrought-iron bolts and nuts, for attaching and securing a cast-iron guard round the slew drum of hydraulic crane (No. 26) on the T pier, for the Military Store Department, including mouldings, casting, turning, and fitting the gun-metal bearings. Forging, turning, and screwing 46 wrought-iron bolts and nuts, and forging and fitting two caulking irons for packing the hydraulic pipes of crane.

Executing the following repair to the 40-pounder side breech-loading Armstrong gun, on board Her Majesty's ship "Excellent," at Portsmouth, *i.e.* forging, planing, turning, and fitting a new steel stop, used for locking the wedge and preventing the gun being fired until the breech has been properly secured, including the preparation of the necessary drawings for the same.

Sighting a 40-pounder gun of Elswick manufacture, for general experiment at Shoeburyness, including casting, turning, fitting, engraving and graduating a breech tangent sight; forging, turning and fitting a trunnion sight, casting, fitting and finishing plugs for breech tangent and trunnion sights; also, manufacturing two vent pieces, including turning, shaping, slotting, planing, fitting sides to gauge, milling the neck, hammering copper ring, turning, boring, screwing and fitting the same; forging cross-heads, boring, screwing, turning sides and ends, milling, drilling for shackles, fitting and fixing them on vent pieces; forging, bending, turning, drilling and facing ends, milling, polishing and turning shackles and pins; also, manufacturing a new breech copper, including cutting from bar, hammering, drilling, boring, turning and fitting the same complete; slotting the gun for sights, re-coppering, re-sighting, and fitting it complete, ready for issue.

Expense of labour in testing metal for the Royal Carriage Department, Royal Arsenal.

Preparing drawings of gun fittings and stores for the Royal Military Colleges, Farnborough and Sandhurst, including making tracings of the various natures of breech-loading guns, to a scale of 1½" to the foot; also, making two mahogany rollers with a groove cut the entire length, and fitted with a lath for attaching the above tracings to, including finishing off and polishing the same.

Mouldings, casting, and trimming two gun-metal castings for stoke-hole taps of the War Department steamer "Balaklava."

(These castings were finished and fitted by the engineers on board).

Cutting a piece 3" in length off the muzzle end of three unserviceable guns, namely, one 12-pounder, one 20 pounder, and one 40-pounder, for use of Ordnance Select Committee, filing and facing off these pieces, cleaning the inside grooves, and re-browning outside; also, punching out, filing, and finishing 1,000 white metal labels, for labelling models for Ordnance Select Committee, including making pattern for a new head to punching machine, moulding, casting, trimming, planing, and fitting new head, and forging, turning, screwing and fitting new spindle to machine, in order to adapt it for punching out the above labels.

Completing the mounting on calico of about 30 sets (nine to each set) of lithographs of venting tools used for smooth-bore ordnance, and 500 sets (14 to each set) of lithographs of facing implements used for re-facing the copper of the breech and vent pieces of Armstrong guns, for reference at the various out-stations, and on board Her Majesty's ships.

535	21 May 1863 (Woolwich—12—139)	-	-	-	-	6	2	5½	-	3	4	3	15	7	10	1	4½
536	22 April 1863 (3884)	-	-	-	-	-	13	10½	Made from scrap.	-	-	-	8	6½	1	2	5
537	9 Nov. 1863 (57—23—413. 2515—136).	O. S. C.	-	-	-	11	19	1½	5	17	5	7	7	6½	25	4	1½
538	-	-	-	-	-	1	4	6	-	-	-	-	15	1½	1	19	7½
540	24 April 1863 (U. 14—456. 2075).	7611—	-	-	-	1	17	11½	-	1	8½	1	3	5½	3	2	8½
541	22 Jan. 1863 (57—22—5741)	-	-	-	-	-	-	6	-	4	-	-	-	3½	-	4	9½
542	2 Mar. 1863 (57—23—S.—1315)	-	-	-	-	9	9	11	1	13	11½	5	17	1½	17	-	11½
543	30 April 1862 (71—3—2979)	-	-	-	-	21	17	4	1	-	-	13	9	9½	36	7	1½

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
544	1 May 1863 (57—Woolwich—4593)	Tempering 15 12-pounder land-service vent-pieces in oil, for experiment by the Ordnance Select Committee; also taking off the old copper vent rings, and copper bouches; manufacturing 15 new copper vent rings, including cutting, hammering, drilling, and turning the same; turning, boring, screwing and squaring heads of 15 sets of copper bouches, and fitting the same to the above vent pieces.	2	5 9	2	11 10½	1	8 2½	6	5 9½
545	28 April 1863 (57—8—2571)	Melting down a number of old Indian metal guns of native manufacture, and of the gross weight of 11 tons, and running the metal into ingots, which are to be used by Mr. Foley in constructing an equestrian statue of the late Lieutenant general Sir James Outram, K.S.I.	5	10 -	-	-	3	7 10½	8	17 10½
546	27 April 1863 - - - - -	Re boring and lapping out (larger at the breech end) a 12-pounder unserviceable brass gun, to dimensions supplied by the Inspector of Artillery, for experiment with common spherical shot, covered with lead, including preparing and making drawings for the same, altering and preparing lathe to receive the gun, re-constructing a boring head and bar, turning and fitting pins and screws for boring head, altering and fitting cutters and other tools necessary for boring the gun; the great expense of this service is in consequence of having to make and adapt special tools and alterations to the machinery, which alone cost 13 <i>l.</i> for labour.	17	17 8½	-	9 11	11	- 7½	29	8 3
547	4 May 1863 (7250—8534—S. W.—1415).	Casting 800 pieces of iron skidding, weighing 49 tons 15 cwt. 1 qr. 14 lbs., for the Royal Gunpowder Factory, Waltham Abbey, including making and altering patterns for moulding boxes, and moulding, casting, trimming, fitting, and drilling the same; making pattern for, and moulding, casting, and trimming 800 lengths of skidding, each piece being 7 ft. 2 in. long, and 1¾ in. thick, with five supporting cross feet.	123	13 7½	199	6 5	76	6 -	399	6 -½
548	4 May 1863 (80—S.—174)	Preparing drawings for the Ordnance Select Committee of Mr. Lynam Thomas's 9-inch experimental shot and shell.	-	18 9	-	2 6	-	11 5½	1	12 8½
551	1 June 1863 (61—Building Engineer—155).	Manufacturing for the Inspector of Works Department, 57 cast-iron brackets for supporting the iron balcony outside of the new building erected for the Chemical Department, Royal Arsenal, including making pattern, moulding, casting, trimming, drilling, and countersinking the holes, and preparing the brackets for fixing.	14	17 6	13	6 6½	9	3 6½	37	7 6½
552	9 Nov. 1859 (51—23—413. W.—1474).	Altering and improving two of Didion's instruments for determining the momentum of a ballistic pendulum, including making patterns, moulding, casting, trimming, drilling, and fitting two cast-iron standards; making patterns, moulding, casting, trimming, planing, and fitting one bracket and two slides of gun metal, and brass bearings for standards, and brass plates for two spirit levels; forging, turning, and fitting two wrought-iron levers for centres; also brass bars for spirit levels, and fitting and completing the same; forging, turning, and fitting six steel centres; forging, turning, drilling, and fitting links and couplings, with steel centres; and forging, turning, and screwing bolts and nuts.	20	14 4½	3	2 8½	12	15 7½	36	12 8½

553	11 May 1863 (89—T.—175)	-	-	-	-	152 12	7 1	97 16	7 1	94 3	1 1	344 12	4 1
Manufacturing 30 cast-iron shot and 30 cast-iron shell, as proposed by Mr. Lynam Thomas for his 9" Rifled Gun, for experiment by the Ordnance Select Committee, including making patterns, moulding, casting, and trimming the above projectiles; also turning and rifling to gauge, heating in a furnace, and tinning, to cause the white metal to adhere, covering the grooves with white metal, re-rifling to gauge, and filing, and finishing off complete; also drilling two holes of $\frac{1}{8}$ " diameter, and tapping the same in breech end, to receive eye-bolts and handles for convenience in lifting; also painting the same. The 30-9" shell were bored and screwed for plugs, in addition to all the operations above stated; also forging, turning, screwing, and fitting 30 wrought-iron plugs into the point of the shells.													
554	11 May 1863 (Minute, 9036)	-	-	-	-	3 3	3	-	-	-	-	3 3	3
An artificer and a furnaceman attending at Shoeburyness to examine, repair, and put the portable cupolas in working order.													
555	9 Nov. 1859 (57—23—413. W.—1527. O. S. C. 2538—155).	-	-	-	-	-	3 9	-	-	-	2 3 1	-	6 1
Cutting off 4 518 inches from the muzzle end of the barrel of a smooth bore musket of 1844 pattern, and 3 462 inches from the barrel of an Enfield rifle, including filing and rounding the same after cutting, and preparing them for experiment by the Ordnance Select Committee, in connection with Navy's Electro Ballistic Apparatus.													
556	9 Nov. 1859 (57—23—413. 2527—145)	-	-	-	-	10 12	7 1	4 5 11 1	6 10 11 1	21 9	6 1	-	-
Deepening the vent opening of a 40-pounder old pattern Armstrong gun (No. 24) of the Elswick Ordnance Company's manufacture, and fitting the same with new breech copper, new hammer complete, and one new vent piece, for the Ordnance Select Committee, including slotting the vent opening, to adapt it to the new pattern vent piece; also re-coppering, re-sighting, and fitting hammer to gun; turning, slotting, shaping, and fitting the vent piece, forging, boring, screwing, turning, drilling, and fitting the crosshead; also forging, turning, drilling, polishing, and bending the shackles and pins, turning and screwing the bouches, and fitting the vent piece complete; moulding, casting, turning, drilling, and fitting the hammer, frame, and screws for the same; forging hammer-pin and washer, marking, drilling, and slotting the hammer, and fitting the hammer and joint complete; cutting copper from bar to make breech ring, turning, screwing, and fitting the same, and completing the gun ready for issue.													
557	9 Nov. 1859 (57—23—413. O. S. C. 2526—144).	-	-	-	-	-	3 8	-	2 6	-	2 2 1	-	8 4 1
Preparing drawings for sealing of the pattern 12-pounder Armstrong gun and tangent sights, to govern the manufacture of the same.													
558	9 Nov. 1859 (57—23—413)	-	-	-	-	-	2 6	-	1 1 1	-	1 6 1	-	5 1 1
Manufacturing four tin cups to test Sir William Armstrong's side breech-loading gun, including cutting to shape from two sheets of tin, turning to gauge, and bending over the rim or edge. (In order to execute these services a portion of the gearing of the lathe had to be removed, and special appliances fixed; if a larger number were required they could be made very much cheaper).													
559	12 & 25 May 1863 (73—3—3833. W.—1518. Portsmouth).	-	-	-	-	2 8	8	-	-	1 10	-	3 18	8
Drilling and tapping holes in 18 110-pounder breech screws, manufactured by the Elswick Ordnance Company, and fixing steel faces on the same, namely, Nos. 37, 113, 118, 140, 189, 193, 202, 228, 229, 234, 238, 240, 243, 246, 247, 248, 259, 350.													
560	13 May 1863 (7257—57)	-	-	-	-	-	2 8	-	-	3	-	1 7 1	-
Repairing an iron target for Military Store Department, including forging two wrought-iron lugs; drilling, filing, fitting, and riveting them on to the upper end of the target for the two supporting stays to fasten on.													

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E).—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		(General Expenses.		Total Cost.					
			£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.						
561	9 Nov. 1859 (57—23—413. O. S. C.)	Manufacturing a wrought-iron crutch, on Commander Singer's principle, and fitting the same to a 40-pounder Armstrong gun (No. 54), for inspection and experiment by the Ordnance Select Committee; also manufacturing and fitting a second wrought-iron crutch of a different pattern to the same gun; including preparing drawing of the crutch forging, turning, planing, drilling, and fitting and fixing the same to the gun, and making the whole complete and ready for experiment.	4	16	5½	-	1	9	2	19	6½	7	17	9½
562	9 Nov. 1859 (57—23—413)	Manufacturing 12 sheet-iron cups to test Sir William Armstrong's 200-pounder side breech-loading gun, including cutting to shape from plates of tinned sheet iron, turning to gauge, and bending over the rim or edge.	-	9	5	-	11	-	-	5	9½	1	6	2½
564	21 May 1863 (73—3—4000)	An artificer attending five days at Portsmouth, repairing the wedge and pin of the 40-pounder gun, which had been injured on board Her Majesty's ship "Excellent."	1	11	2	-	-	-	-	19	2½	2	10	4½
565	9 Nov. 1859 (57—23—413. W.—1648; O. S. C.—2557—173.)	Removing the old vent, re-drilling, screwing, and re-venting a 7-1" gun, experimental, No. 125, for experiment to test method of rifling with 15 plain grooves, by the Ordnance Select Committee; Mr. Jeffrey's shot to be used in the experiments.	-	13	2½	-	3	1	-	8	1	1	4	4½
566	22 Jan. 1863 (57—22—5741)	Repairing the boiler of War Department steamer "Balaklava;" including cutting and shaping a wrought-iron plate 5-16ths of an inch thick, and drilling 24 holes in the same and in boiler; forging, turning, and screwing 24 wrought-iron bolts and nuts, and fixing plate on boiler; repairing and refitting brass cock of water gauge, and repairing copper syringe for injecting oil.	4	18	10½	-	8	3½	3	-	11½	8	8	1½
567	26 May 1863 - , - - -	Manufacturing a wrought-iron wedge, weighing 1 cwt. 3 qrs. 15 lbs., for the 40-pounder side breech-loading Armstrong gun, for Her Majesty's ship "Excellent," at Portsmouth, including forging, planing, boring, filing, and fitting the same, and finishing off complete.	10	6	6	2	17	5½	6	7	4½	19	11	4
568	13 Feb. 1862 (57—Woolwich—3156)	Altering, repairing, and completing five sets of 110-pounder facing implements, including boring, facing, turning, drilling and fitting one new C. or cutting-out block to each set; fitting two knives for cutting out breech bush; altering, repairing, rounding corners, and stamping the angle-facing blocks, guides, levers, and spanners for stop washers; re-gauging and rectifying all cutters, and finishing off each set complete; repairing, altering, and completing one set of 40-pounder facing implements, including turning, boring, and fitting one E. 2 block for finish boring, one new angle-facing block, one new handle to hold blocks in vent chamber, and two new punches; also altering, repairing, rounding corners, and stamping screwing-in block, collar for feed motion, lever and spindle; moulding, casting, trimming, boring, turning, and fitting four gun-metal bushes for the above blocks, re-gauging and rectifying all cutters, and finishing off the set complete; examining and sighting true one set of 110-pounder, one set of 40-pounder, one set of 20-pounder, and one set of 12-pounder sighting instruments, and finishing them off complete; altering,	23	8	-	1	11	1½	14	5	7½	38	19	8½

repairing, and completing one set of 20-pounder facing implements, including turning, boring, and fitting with new cutters, one new angle-facing block, one new boring block, one new block for facing vent ring, one new guide in powder chamber, and one new knife for cutting out breech bush; also altering, rounding corners, and stamping the screwing-in block guide in breech screw, lever, punch, spanner, and spindle; re-gauging and rectifying all cutters, and finishing off the set complete; altering, repairing, and completing one set of 12-pounder facing implements, including boring, turning, and fitting with new cutters one new angle-facing block, one new guide in powder chamber, one new upsetting block, one new key for fixing knives, one new punch for pin in spindle, and one new spanner for stop-washers; also rounding corners and stamping the finish boring block, screwing-in block, lever, and spindle, regauging and rectifying all cutters, and finishing the set off complete.

569 - - - (O. S. C. 2559-174) -

13 5 9½ 1 17 8 8 3 11½ 23 7 4½

Attendance of a foreman, one artificer, and two labourers at Newhaven, for the purpose of assisting in making experiments for testing the penetration of Armstrong and other projectiles, under the direction of the officer commanding Royal Artillery; also taking with them the necessary figures and letters, and stamping the projectiles. The guns used in the above experiments were selected by the Inspector of Artillery, and were as follow: one 12-pounder Armstrong gun, with two vent pieces; one 20-pounder Armstrong gun, with two vent pieces; one 40-pounder Armstrong gun, with two vent pieces; one 110-pounder Armstrong gun, with two vent-pieces; one 70-pounder Armstrong gun, breech side-loading; one 32-pounder old service smooth-bore, cast-iron gun, weighing 50 cwt.; one eight-inch old service smooth-bore, cast iron gun, weighing 52 cwt.

570 2 March 1863 - - - -

14 3 - - 11 9 8 14 2 23 8 11

Manufacturing sights and sighting a 20-pounder, sea service, Armstrong gun (No. 256), as a pattern for sealing, including forging, boring, turning, and screwing an iron sight ring; forging, turning, screwing, and fitting two copper tightening handles; forging, turning, and fitting two hogback trunnion sights; turning and fitting two breech tangent sights, with leaves, crossheads, and tightening screw; engraving and bronzing the same; altering the iron sight ring and enlarging the vent opening of the gun to make it suitable for the new pattern vent-piece, and browning the same; tapping and plugging the sight holes, screwing for sighting, and sighting the gun complete: also, preparing drawings, and altering and repairing tools and machinery required to execute this service.

571 23 March 1868 (M. S. D. 57-Woolwich -369. G. 24-70).

58 16 1½ 12 7 -½ 36 6 2 107 9 4½

Repairing and altering the force-pump of hydraulic steam-engine, Military Store Department, and cutting two man-holes in the iron floor-plates of engine-room. This service includes making patterns for two gun-metal bearings, four flanges, six washers, one piston, and one pump-rod; moulding, casting, drilling, turning, screwing, and fitting the same. Making patterns for 11 cast-iron valve-pipes, two cast-iron glands and doors for man-hole; moulding, casting, trimming, drilling, turning, and fitting the same. Forging, turning, and screwing eight wrought-iron bolts and nuts, and forging and fitting one collar, one pin, one washer, and one key; taking out pump, re-boring the cylinder, and replacing the pump; fitting the same with the above new pipes, glands, valves, &c., and thoroughly repairing and putting the same in working order. The two man-holes were cut in the floor-plate for the purpose of allowing access to the under-ground pipes.

572 22 Jan. 1863 (14-485. G. 24-72. 57-22-5741. 57-23-5741).

4 2 11 1 2 1 2 11 1½ 7 16 1½

Repairing the winch of War Department sloop "Lord Raglan," including taking winch to pieces, and cleaning the same; also moulding, casting, trimming, turning, fitting, and fixing eight gun-metal bearings; forging, turning, drilling, and fitting two wrought-iron plates for repairing the frame of winch, and putting the same in thorough repair and working order.

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		TOTAL COST.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
574	9 Nov. 1859 ¹ (57—23—413)	Preparing a 68-pounder brass block (which was cast in the Royal Gun Factories Department in 1860) for experiment, to enable the Ordnance Select Committee to ascertain the best position for the vents of smooth-bore ordnance, including fitting and preparing a boring bar and tools, rough and finish boring the gun to the calibre of a 42-pounder; moulding and casting gun-metal bars to make six plugs 4½" long and 1" diameter; turning and screwing the plugs, and shaping the heads of the same; drilling one through, to act as a vent; also, drilling and screwing six holes in various positions in the breech of the gun, and fitting a plug in each hole. These plugs being removable, the one which is drilled as a vent is inserted alternately into each of the remaining five places, as required to carry out the above experiment; also, stamping Experimental No. 202 on the trunnions of the gun.	7	3 6½	-	18 6	4	8 6½	12	10 6½
575	13 Feb. 1861 (57—Woolwich—3186)	Repairing and completing one portable cupola for Military Store Department, Woolwich, including making patterns for one gun-metal wind-pressure gauge, four brass bearings, and one cast-iron driving pulley; moulding, casting, trimming, turning, and fitting one wind-pressure gauge; moulding, casting, trimming, boring, and fitting four brass bearings for driving pulley; moulding, casting, trimming, turning, boring, facing, and fitting one new cast-iron driving pulley, and repairing the fan; forging, turning, and screwing bolts and nuts; forging and fitting keys; also, two wrought-iron bot staves or stoppers, with hooks, one iron scoop, two tapping irons, one iron mallet, one iron rake for drawing out clinkers, three fuse pricklers, two double shanked ladles, one single ladle, one portable ladder, two skimming irons, two iron funnels for filling shell, one double ended spanner, two stays for cupola, two handles, and fitting and fixing brass tube and glass for barometer. Also, fitting two driving belts, 3½" wide, 50 feet long, for driving fan, and putting cupola in thorough repair and ready for work.	21	- 6	6	10 4½	12	19 4½	40	10 3
576	2 June 1863 (Woolwich—108. W.—1738.)	Repairing furnace for heating shot, at the Lower Lobby, Woolwich Marshes, for the Commandant, Royal Artillery, including taking off old furnace door, cutting out, shaping, filing, drilling, and fitting a new door, from a wrought-iron plate, No. 16, Wire Gauge; forging, fitting and drilling two wrought-iron hinges, and riveting the same on to the furnace door; cutting and punching out old rivets, taking the furnace partly to pieces, putting in new rivets where required, forging, turning and screwing bolts and nuts; cutting out a new length of chimney pipe from plate iron, bending, riveting, and fitting on the same, and putting the furnace in thorough repair.	3	4 10½	-	4 10	2	- -	5	9 8½
577	9 Nov. 1859 (57—23—413. W.—1727. O. S. C.—2570—185.)	Manufacturing six crutches (three of steel, and three of iron of extra thickness) for experiments on board Her Majesty's ships "Cambridge" and "Excellent," by the Ordnance Select Committee; including forging, turning, drilling, filing, and fitting the same with 12 screws.	-	18 -	-	- 9½	-	11 1	1	9 10½

Making and altering leather straps, for sealing as patterns, to cover and protect one-and-a-half turns of the breech screws of the 12-pounder guns, for the Ordnance Select Committee.

(In order to execute this service, a chuck and other tools were made, and an indiarubber collar manufactured; this, however, was rejected by the Ordnance Select Committee, and a leather one ordered. Three leather ones were made, of different patterns, for selection.)

Executing the following services in connection with the foundation for shear legs on wharf, and lifting crabs for the same, namely: Making drawings and patterns for two foundation plates; moulding, casting, trimming, fitting, and fixing them in position on the wharf. Making patterns for two girders and two foundation plates for back guy crabs; moulding, casting, trimming, and fixing the same in position. Forging and fitting four wrought-iron treble sheave blocks for back guys; forging turning, and fitting pins and keys for the same; also swivels and hooks for lifting gear blocks. Making pattern for 12 cast-iron pulleys and 46 washers; moulding, casting, trimming, turning, facing, boring, and fitting the same to back guy blocks. Taking to pieces two old crabs, to be used for lifting gear, repairing and re-constructing the same, including making patterns for one side-frame, one small bottom-plate, and one bracket; moulding, casting, trimming, drilling, planing, and fitting the same. Forging, turning, screwing, and fitting eight long wrought-iron uniting bolts and nuts for crabs; and moulding, casting, trimming, turning, boring, facing, and fitting one large gun-metal bush, and 24 smaller ones. Forging, turning, and slotting pins, forging and fitting keys, and screwing bolts and nuts, and fitting the crabs up complete and ready for use.

An artificer attending at Shoeburyness, three days to assist at the experiments with a 200-pounder wedge breech-loading Armstrong gun.

Bisecting one 110-pounder and one 12-pounder vent piece through the vent and priming chamber, including planing the bisected faces, and filing and polishing the same, to enable the Ordnance Select Committee to ascertain the effect of continuous firing upon the copper bouch or tube of the vent piece. 459 rounds had been fired with the 12-pounder and 47 with the 110-pounder.

An artificer attending at Portsmouth, and fitting the new wedge to the 40-pounder side breech-loading gun, on board Her Majesty's Ship "Excellent."

Re-sighting the undermentioned guns at Jersey, namely:—

44 32-pounder guns, weighing 56 cwt. each.
6 32-pounder " " 32 "
25 24-pounder " " 50 "
4 12-pounder " " 33 "

In order to execute this service, two artificers were employed 83 days, and one foreman 13 days, at Jersey, whither they proceeded with all the necessary tools required for the execution of the work.

578 9 Nov. 1859 (57—23—413. O. S. C. 2372—187).

579 { 19 Mar. 1863 } (D. 11—52. 7309—667)
8 May 1863 }

580 9 June 1863 (73—3—4060) - -

581 9 Nov. 1859 (57—23—413. W. 1834. O. S. C. 2585—198).

582 10 June 1863 (73—3—4059) - -

583 12 June 1863 (Jersey—303; and 27 June 1863; Jersey—321).

- 4 1 - 2 - - 2 5½ - 8 6½

113 14 7½ 135 14 6½ 70 3 2½ 319 12 4½

1 4 9 - - - 1 4 9

1 10 4 - - - 2 9 -½

5 2 8½ - 5 3 3 3 4 8 11 3½

50 - 8 1 6 4½ 30 17 3½ 82 4 4

588	11 July 1860 (73-3-1194)	-	-	-	-	8	7	5	-	-	5	3	3½	13	10	8½
Testing specimens (for the Inspector of Artillery) of the metal of the 68-pounder cast-iron gun (No. 207), which had been fitted with a wrought-iron tube, as proposed by Captain Palliser, and burst while undergoing experiments; also, testing specimens of the wrought-iron tube, which had also burst; including turning to gauge, planing, and testing by tensile strain three specimens of the cast-iron and five specimens of the wrought-iron. Also preparing specimens, ready for testing, of the 10-inch cast-iron gun, which had been strengthened, and the bore reduced to 6·5 inches, by the insertion of two wrought-iron tubes, on Captain Palliser's principle, and which burst under experiment; including turning to gauge, and slotting specimens of the gun, and of the A and B tubes.																
589	9 Nov. 1859 (57-23-413-W.-1967)	-	-	-	-	2	16	4	-	1	4½	1	14	8½	4	12 5½
Manufacturing one double sliding steel tangent bar, 25½ inches long, on Commander Singer's principle (without brass slides), for further experiments with 110-pounder gun, in Captain Cole's cupola, by the Ordnance Select Committee, including forging, turning, shaping, and fitting one double steel tangent bar; cutting and fitting dove-tailed groove in the external bar, to receive the internal or sliding bar; fitting the internal bar to the dovetailed groove in the external bar; graduating and engraving the same, and fitting together and finishing ready for use.																
590	17 Nov. 1860 (73-3-1486)	-	-	-	-	158	6	5½	52	3	9½	97	13	4½	308	3 7½
Inspecting, cleaning, and greasing the bores of the Armstrong guns in store from time to time during the year 1863-4.																
591	23 Feb. 1861 (57-Woolwich-3172)	-	-	-	-	233	13	10½	115	7	10	144	2	1	493	3 9¼
Examination of ordnance for the Principal Superintendent of Stores, including cleaning and removing guns, which are returned from, and in charge of, the Principal Superintendent of Stores.																
592	-	-	-	-	-	2	12	1	-	6	8	1	12	1½	4	10 10½
Repairing packing press, and fitting cylinder of the same with new leather, at the Clothing Establishment, Woolwich; including cutting and fitting leather for hydraulic cylinder, forging, turning, and screwing bolts and nuts, fitting the same, and placing the packing press in thorough repair and working order, including cutting and drilling out old bolts, and re-tapping holes.																
593	8 Jun e 1863 (57-22-1335)	-	-	-	-	111	17	-½	1,020	15	6½	68	19	10	1,201	12 5
Partly manufacturing 66 projectiles of the following description, for the Ordnance Select Committee, providing special tools, altering and adapting plant and machinery, as required in the execution of this service. Ten 600-pounder steel shot. Centreing 10, facing nine, and partly turning two. Sixteen 600-pounder steel shells. Parting 16; centreing, facing, and rough-turning 11; boring nine. Twenty 300-pounder steel shells. Centreing, rough-turning, and boring 20; facing and cutting thread of 16. Twenty 300-pounder steel shot. Centreing and rough-turning 20; facing and turning down breech end to receive wrought-iron ring of five; finish turning, boring, screwing, and partly rifling two. Moulding, casting, turning, and screwing outside 20 brass bushes for 600-pounder shells, and 20 for 300-pounder shells. Forging, turning, boring, and facing 40 wrought-iron rings for fitting on the breech end of 300-pounder shot and shell. Moulding, casting, and trimming metal rods for studs of shells, cutting, rough and finish turning 195 studs from the same. Moulding, casting, and trimming 46 metal rings and 81 bushes for shot and shell. Altering and adapting rifling machine, including turning, facing, boring, cutting thread, and fitting a new chuck, with four dogs, complete. Forging, turning, and screwing bolts, nuts, and screws, and bearing pins. Forging, turning, and cutting thread on new screw for head, and pins for shifting pitch, altering slide guide, and dividing plate as indicator for rifling. Moulding, casting, turning, boring, and facing new wheel for lathe, and cutting 140 teeth in the same. Forging and finishing 18 1¼-inch steel turning tools, 12 1½-inch steel dividing tools, and fitting to gauge six 1¼-inch rifling tools. Also forging and fitting all gauges necessary for this service.																

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.) MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		TOTAL COST.		
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.	
594	24 June 1863 (54—Artillery—11977) -	Expense of the attendance of Chief Viewer at Aldershot to inspect and examine the 9-pounder guns composing D Battery, Royal Artillery, and including the expense of a labourer's attendance with the necessary tools and instruments for making the examination.	-	13 9	-	-	-	8 5½	1 2 2½		
595	13 February 1861 (57—Woolwich—3156)	Repairing two 110-pounder guns, one 40-pounder old pattern, and one 9-pounder gun. No. 147; repairing 110-pounder Armstrong gun, manufactured in the Royal Gun Factories Department, with new 1 A tube and new vent pieces, including coiling and welding five coils, and uniting them to form the tube; boring out old tube and extracting shell, taper boring the gun to receive the tube, and shrinking it in the gun; broaching, chambering, and rifling the same, fitting in breech ring, slotting vent opening, plugging trunnion sight holes, facing breech screw and rounding ends, finishing inside of gun after proof, browning gun, lever and tappet, and breech screw, filing and finishing the whole, and adjusting sights; manufacturing two vent pieces; including turning, shaping, milling, and slotting the same; forging cross-heads, and shackles; turning, shaping, fitting, and riveting them on; also manufacturing two trunnion sights and finishing the whole complete; also altering and repairing tools and machinery required in performing this service. No. 167; repairing 110-pounder gun in the same manner as the before-mentioned, but not supplying new vent pieces. No. 44; repairing 40-pounder old pattern Armstrong gun, manufactured by the Elswick Ordnance Company, and making it in conformity with the sealed pattern, including rounding corners of lever and tappet, facing breech screw, fitting sights and sighting the gun; enlarging powder chamber, slotting and fitting vent opening, fitting in hammer, rounding corners, browning gun, lever and tappet, and blueing breech screw; manufacturing two vent pieces, including turning, shaping, milling, and slotting; forging cross head and shackles, turning, shaping, fitting and riveting them on the vent pieces; making new hammer and frame, including forging, turning, fitting, drilling, and slotting hammer, casting, drilling, fitting, and finishing frame, and fixing complete. No. 108; repairing 9-pounder Armstrong gun manufactured in the Royal Gun Factories Department, with new 1 A tube, new sights and vent pieces, including boring out old tube, extracting shell, coiling and welding four coils, and uniting them to form the tube, which was found to be defective; manufacturing a second tube as above, and shrinking it in the gun; broaching, chambering, lapping and rifling the same; turning and rounding muzzle, screwing for breech copper and coppering the gun, filing up tabbet and lever, browning gun, repairing sights and sighting complete; slotting vent opening, and fitting elevating patch; also manufacturing two vent pieces, including turning, shaping, slotting, milling, and fitting; forging cross head and shackle, turning and fitting the same, and riveting them on the vent piece; manufacturing two new trunnion sights, and finishing the whole complete and ready for issue; also repairing and altering 19 40-pounder wood saddles, and painting the same.	87	5 4½	89	9 10	53	16 8½	230	11 10½	
596	30 March 1863 (57—22—6117) -	Preparing and executing drawings of the War Department steamers "Lord Panmure" and "Balaklava."	11	9 11	-	10 6	7	1 9½	19	2 2½	
597	20 January 1863 (57—22—5741) -	Manufacturing six brass bushes for the War Department steamer "Lord Panmure," including moulding, casting, and trimming the same.	-	13 6	1	3 6	-	8 3½	2	5 3½	

598	8 July 1863 (73-3-4122 and 2009-368. W. G. 24-105).	Manufacturing an experimental gun of toughened steel for mountain service, for trial by the Ordnance Select Committee, including turning and boring a solid block of steel to the requisite shape, tempering the same in oil, forming the trunnions on the same, the gun being made entirely of one block; also shaping the cascable, rifling the gun on the Lancaster or oval principle, drilling and venting the gun, and fitting it complete and ready for issue; the gun was marked on the trunnion, "Experimental, No. 219," and weighed when finished 1 cwt. 3 qrs. 21 lbs.; special arrangements had to be made in the tools and machinery of the department to execute this service.	8	-	6	15	17	5	4	19	-	28	16	11
599	13 February 1861 (67 Woolwich, 3156)	Repairing two 110-pounder Royal Gun Factories guns, <i>i.e.</i> , boring, facing, and polishing the breech screw of No. 479; fling and adjusting the sights, browning the gun and breech screw, and finishing the inside of gun after browning; repairing No. 525 gun, with a new I A tube, including forging, coiling, welding, and uniting the coils to form the tube; boring out the old tube, cutting out the shell, and taper boring the gun; boring and turning the new tube, and shrinking the same in the gun; rough and finish boring and cutting off the ends of the tube, and lapping and rifling the gun; also filing and adjusting the sights, browning the gun and breech screw, and finishing the bore after browning; manufacturing an iron breech ring, including forging, turning, screwing, and fitting the same, screwing the breech of the gun, and fixing the ring after proof.	20	-	3½	30	12	6½	12	6	11	62	19	8½
600	9 November 1859 (57-23-413. W. 2117 O. S. C. 2012)	Making tabulated drawings and statements for Ordnance Select Committee of the 16 different patterns of projectiles manufactured in the Royal Gun Factories Department, for Mr. Lynam Thomas's 9-inch muzzle-loading rifled gun, Ex. No. 192.	1	4	6	-	4	-	-	15	1½	2	3	7½
601	13 February 1861 (57-24--3156)	Altering, repairing, and completing 30 sets of 110-pounder facing implements, including altering and adapting lathes for the execution of this service; moulding, casting, trimming, drilling, and fitting seven cast-iron plates for machines, forging steel bars for cutters, and fitting the same; altering and repairing box wrenches, forging, turning, boring, and fitting smooth and angle facing blocks, moulding, casting, trimming, turning, and fitting 14 cast-iron guides for powder chamber; moulding, casting, trimming, turning, drilling, and fitting 36 gun metal expanding bushes, and re-gauging and rectifying all cutters; also altering, repairing, and completing 40 sets of 40-pounder facing implements, including moulding, casting, trimming, turning, boring, and fitting 56 cast-iron guides; forging, turning, facing, and fitting smooth and angle facing blocks, 18 screw handles, internal boring blocks, new knives for cutting out breech bush; repairing and altering one set of 20-pounder, and one set of 6-pounder facing implements, re-gauging and rectifying all cutters, and finishing the sets off complete and ready for use.	308	14	3½	19	10	7½	190	8	10½	518	13	10
602	22 January 1863 (57-22-5741)	Adjusting the screw shaft of War Department steamer, "Balaclava," including taking a portion of engines to pieces, to enable the screw shaft to be removed; lining and repairing pedestals and brasses, packing bearings, adjusting screw shafting, and re-erecting engines and placing them in good working order.	4	6	6½	-	-	-	2	13	4½	6	19	11

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.
			£.	s. d.	£.	s. d.	£.	s. d.	£. s. d.
603	17 June 1863 (7350—8790) - - -	Manufacturing one set of gun-metal blocks for setting up chacos, for Clothing Establishment, Pimlico; consisting of six pieces, namely, one arm, one section of front, back, rightside and left side of chaco, and one stand for pressing the crowns, including moulding, casting, trimming, fitting and finishing the same. Forging, turning, fitting, and screwing wrought-iron spindle with boss at end, and handle for working the same. The arm is drilled through the top to receive the wrought-iron spindle, the top of which forms an eye, through which an iron shifting handle passes in a similar manner to the setting-up handle of a vice, and is used for screwing and setting up the chaco blocks to whatever size is required. The four sections of chaco are filed and fitted, and have dove-tailed grooves in them. The stand for pressing the crowns is turned and screwed at each end, to fit the metal crowns, which are faced and tapped so as to fit the stand.	1	13 4	1	1 -	1	- 6½	3 14 10½
604	19 Mar. 1863 (57—Bermuda—649) -	Fitting and finishing the undermentioned articles for the completion of a set of 110-pounder facing implements for Bermuda, including forging, turning, drilling, and fitting: one screwing-in block for breech bush iron; one box wrench for trunnion sight; one block for cutting out, boring, ficing, tapering and angle facing breech bush, with cutters complete; one washer stop, and one lever.	5	1 -	- 5 1	3 2 3½	8	8 4½	
605	13 Aug. 1859 (85—General No.—125)	Preparing and completing a wooden model for the purpose of showing the proposed alteration to the present shunt system of rifling, including cutting, shaping, and planing 1¼-inch teak board, 10½ feet long, strengthening the back of the same by cross pieces of 1½-inch pine, to prevent its warping, and chiselling out a groove on the board to show the shunt system of rifling.	1	6 8	- 11 8½	- 16 5	2	14 9½	
606	9 Nov. 1859 (57—23—413. W. 2184. O. S. C. 2619—232).	Drilling and opening vent of Mr. Berger's steel gun, for experiment by the Ordnance Select Committee, for the purpose of testing the gun to destruction; also, stamping the trunnions of the same with "Expl. No. 215."	-	2 7½	-	- 1 7½	-	4 2½	
607	20 July 1863 (O. S. C. 2622—235)	Altering Mr. Berger's cast-steel breech-loading gun, and preparing it for further experiment by the Ordnance Select Committee, including turning off the projection at breech end, removing the breech screw and apparatus, turning 1 inch off the face of the screw, and boring a recess ⅓ of an inch deep to receive a new steel disc; forging a steel disc, 1 inch thick and 5 inches diameter, and turning, boring, facing and recessing the same for the purpose of receiving a copper cup or ring; making copper ring and screw pin for fastening steel disc to breech screw, and fitting together on gun, including preparation of chuck and tools required in the execution of this service.	5	13 7	- 10 2½	3 10 -¾	9	13 11½	
608	9 Nov. 1859 (57—23—413. W. 2224. O. S. C. 2624—236).	Deepening the grooves of a 7·1-inch bore rifled gun (Exp. No. 125), as proposed by the Ordnance Select Committee, for experiment in firing expanding compound projectiles, including fitting and preparing a rifling head, and boring bar for rifling the gun, making gauges and tools, fitting a feed bar, and otherwise preparing the lube for the execution of this service.	3	13 5	-	2 5 3	5	18 8	

609	13 Feb. 1863 (51—Wool.—3156. W. 1988).	Altering and repairing bouching machine, and the tools connected with the same, for the purpose of bouching Armstrong guns, including taking the machine to pieces and thoroughly cleaning it, altering a brass pinion, and a wrought-iron spindle, reborring and turning the feed wheel, and putting the machine in thorough working order.	1	6	-	-	-	15	11½	2	1	11½
610	9 Nov. 1859 (57—23—413. W. 2258)	Cutting off 3-462 inches from the muzzle end of the barrel of an Enfield rifle, including filing, and rounding the same after cutting; and making the rifle fit for further experiment by the Ordnance Select Committee, in connection with Navy's electro-ballistic apparatus.	-	1	3	-	-	-	9	-	2	-
611	25 July 1863 (7350—8807) -	Attendance of a competent person from the Royal Gun Factories Department, occasionally, on board the War Department steamer "Balaklava," to inspect the manufacture of a new steam boiler and the repairs to the engines for that vessel, by Messrs. Jackson & Watkins, under contract, 22d July 1863.	4	-	3	-	-	2	9	6	6	9
612	9 Nov. 1859 (O. S. C. 57—23—413 —2685—200).	Marking a wrought-iron 20-pounder land service Armstrong gun with "Experimental No. 214" on one of the trunnions. The gun to be used by the Ordnance Select Committee for the purpose of testing the power of endurance of a 20-pounder land service Armstrong gun, as compared with the steel 20-pounder gun lately under trial.	-	3	-	-	-	-	1	10½	-	4
613	9 Nov. 1859 (57—23—413. W. 2306. O. S. C. 2638—246).	Partially bisecting longitudinally a 110-pounder vent piece to enable the Ordnance Select Committee to examine a fracture, and stamping the same No. 1 H. on the back, and No. 3 on the neck.	-	4	-	-	-	-	2	5½	-	6
615	9 Nov. 1859 (57—23—413. O. S. C. 2633—244. W. 2260).	Preparing two white rope grummit rings, to be fitted to the ends of cross-heads of a 110-pounder vent piece, instead of the iron shackles generally used, including twisting the strands to form the rings, and worming the same with twine.	-	2	6	-	-	7½	-	1	6½	-
616	9 Nov. 1859 (57—23—413. W. 2326. O. S. C. 2642--252).	Bisecting 25 vent pieces (of the following natures, five of each: 110-pounder, 40-pounder, 20-pounder, 12-pounder, and 6-pounder) through the middle, leaving the one-half entire, and polishing the bisected faces, to enable the Ordnance Select Committee to examine and note the effect produced upon them by firing.	5	1	4½	-	-	3	2	6	8	3
617	29 July 1863 (51—3—2255)	Manufacturing 40 chaco blocks of a new pattern from 50 obsolete ones, returned to this department from the Clothing Establishment, Pimlico, for conversion, including making patterns of core boxes, moulding, casting, and trimming the same; making patterns of chacos, moulding, casting, trimming, filing, and fitting the same; drilling holes in a bracket inside each chaco; cutting and shaping blocks of wood to fit the interior of each; drilling holes in the wood blocks to fit on, setting up blocks, and securing the same by brass screws to the bracket inside the chaco blocks.	9	14	6½	1	4	-	5	19	6	16
618	31 July 1863 (D. 1886)	Removing the cross heads from forty-nine 110-pounder Elswick Ordnance Company's vent pieces, for the purpose of proving them in the special "proof" gun, including re-fitting after proof, and finishing off complete.	4	5	9	-	-	-	2	12	9½	6
619	14 July 1863 (7350—8904)	Manufacturing 68 cast-iron furnace bars, weighing one ton, for boiler furnaces, and 470 wrought-iron bars, weighing 6 tons, for retort furnaces of gas factory, Royal Arsenal; including making pattern, moulding, casting, and trimming the cast-iron bars, and forging, cutting to length, and shaping ends of the wrought-iron bars. The cast-iron bars are 3 feet 7 inches long each, and the wrought-iron bars are 2 feet 6 inches long and 1½ inch square.	10	14	7	58	15	4½	6	12	2	76

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.
			£.	s. d.	£.	s. d.	£.	s. d.	
620	31 July 1863 (73—3—4185)	Manufacturing and fitting 290 wrought-iron indicator rings for 110-pounder Armstrong guns, including forging, turning, boring, and slotting the same, fitting a steel spring to each, and fitting the indicator ring with feather complete, to 104 110-pounder Armstrong guns.	189	8 - ¹ / ₄	5	17 1	116	16 10	£. s. d. 312 1 11 ¹ / ₄
621	1 Aug. 1863 (73—3—4231)	Preparing a tracing of the experimental oval-bore rifled mountain howitzer, for use of the superintendent of the Royal Laboratory, to enable that officer to prepare the projectiles for the trial of the above howitzer.	-	1 8	-	1 -	-	1 -	- 3 8
622	6 July 1863 (57—17—793. W. 2080)	Manufacturing 704 brass and gun metal castings, consisting of 96 brass rings, 50 caps, 24 stand plates, 72 shovel pieces, 72 angle pieces, 50 plummets, 40 gun metal bolts, and 300 screws, for the use of the Ordnance Survey Office, Southampton.	1	14 6	14	6 -	1	1 5	17 1 11
623	- - - - -	Testing the strength of two specimens of Dr. Percy's metal, received from the Chemical Department for that purpose; including turning six pieces to gauge, four of which were found defective, and rejected; the remaining two specimens were finished and tested for tensile strain.	-	9 6	-	-	-	5 10	- 15 4
624	19 March 1863 (7309—667)	Executing the following services in connection with the shear legs on wharf, at Royal Arsenal, namely, making drawings and patterns, moulding, casting, trimming, fitting, and fixing two large cast-iron blocks or holdfasts on the edge of wharf, with which the front guys or guard chains of sheer legs, and prevent their being hove on, and the blocks or holdfasts are secured to them by bolts and nuts.) Forging, turning, screwing, and fitting 10 bolts, with nuts to match, for securing the blocks (5 bolts to each); also forging, turning, slotting, and fitting eye bolts in brackets, forging cotters for eye bolts, and rings to secure shackles of chains; making patterns, moulding, casting, trimming, and boring two cast-iron brackets, and fitting and fixing them on the cross stays of sheer legs; forging and turning two spindles or rollers to fit in brackets, to act as guide rollers for the lifting chains to traverse on; forging, turning, and screwing eight bolts and nuts to secure the brackets to cross stay, drilling eight holes in cross stay for brackets, and making pattern, moulding, casting, trimming, turning, boring, and fitting four brass bushes for spindles of guide rollers to work in; moulding, casting, trimming, and fitting two cast-iron stops, and fixing them on back guys; forging, turning, and screwing 14 bolts, to secure the stops to guys; forging and fitting springs for two alarm bells, and fitting the bells to the stops. These stops and bells are fixed in such a manner on the back-guy tackles, as to prevent the sheer legs from being hove back beyond the perpendicular by the stops coming in contact with the upper tackle block, and thereby touching the springs of alarm bells, causing them to ring, and warn the men to desist from heaving; moulding, casting, trimming, boring, and fitting two ratchet wheels on shafts of back crabs, and keying them on; forging and fitting keys for the same; forging, turning, and fitting pauls, bolts, and nuts to each, and fitting them to ratchet wheels; filling up with wood the interspaces in foot plates of sheer legs, and making the whole complete and ready for work.	36	2 3	21	7 7	22	6 1	79 15 11

625	31 Sept. 1861 (73-3-2274)	-	-	-	11	4	6½	-	-	6	18	5½	18	3	-	
Repairing 12-pounder Armstrong guns and adjusting the fittings of the same; including rounding the corners of 21 guns, broaching pin-holes in 17 levers, rounding the corners of 50 levers and tappets, screwing in 50 elevating eyes, and browning the same complete.																
626	10 Dec. 1861 (73-3-2500)	-	-	-	4	5	8	-	-	2	12	9½	6	18	5½	
Enlarging the powder chambers of eleven 12-pounder Armstrong guns, and filing the rifle grooves deeper, to suit the same.																
627	29 July 1862 (73-3-3132)	-	-	-	2	11	2	-	-	1	11	6	4	2	8	
Removing the drip pans from twenty-nine 12-pounder Armstrong guns, and plugging up the holes of the same.																
628	9 Nov. 1859 (57-23-413)	-	-	-	6	6	6	-	-	3	18	-	10	4	6	
Preparation of drawings of Krupp's 110-pounder and 70-pounder guns																
629	4 Aug. 1863 (80-P.-133)	-	-	-	10	2	10½	1	-	6	5	2	17	8	½	
Preparing drawings for Captain Palliser of all the guns that have been altered in the Royal Gun Factories Department, on the principles proposed by that officer.																
630	9 Nov. 1859 (57-23-417. W. 2389. O. S. C. 2646-256).	-	-	-	3	6	1½	2	19	7	2	-	8	6	4½	
Re-coppering 40-pounder old pattern Armstrong gun and vent piece (Ex. No. 206) for experimental practice by the Ordnance Select Committee, to test Armstrong vent pieces made of steel, including taking out the old breech coppers, and re-coppering the gun four times, and the vents five times, and facing the coppers nine times; also, cutting copper bar into lengths, drilling and hammering it to form the rings, and turning, screwing, and fitting the same ready for use.																
631	-	-	-	-	97	3	5½	10	13	3½	59	18	10	167	15	7
Repairing and completing 16 sets of 110-pounder facing implements, including moulding, casting, and trimming 16 iron bushes, turning, boring, and fitting the same; casting, turning, drilling, and fitting 16 gun-metal expanding bushes, repairing 16 screwing in blocks, 16 guides for powder chamber, seven screw handles, and 13 knives for breech coppers, rounding corners, re-gauging and stamping the same, rectifying all cutters, and finishing complete; repairing five sets of 40-pounder facing implements, and completing the same, including forging, turning, and fitting five B blocks, moulding, casting, trimming, turning, boring and fitting five east-iron guide blocks for powder chamber, repairing five screw handles, rounding corners, re-gauging and stamping the same, rectifying all cutters, and finishing off complete; also manufacturing two wood guards for 40-pounder vent pieces; repairing and completing 13 sets of 20-pounder facing implements, including forging 13 B blocks, boring, turning, and fitting the same; forging 16 knives for breech coppers, filing and fitting the same, altering and repairing 13 guides for powder chamber, and finishing off complete; forging and fitting 18 knives for breech coppers of 12-pounder facing implements, and 13 knives for 6-pounders.																
632	20 Nov. 1862 (57-Portsmouth-1266)	-	-	-	6	19	10	3	10	10	4	6	2	14	16	10
Manufacturing two wrought iron drill posts (for two 20 inch ratchet braces), including forging, drilling, and fitting the same; also manufacturing a mahogany dispart measure, and mounting the same with brass, to be used in sighting smooth-bore guns, including cutting, shaping and planing the mahogany measure, moulding, casting, and trimming the brass mountings and centre slide, planing, drilling, and fitting the same to mahogany frame, fixing the same with brass screws, and engraving and finishing off complete; also forging, turning, planing, facing, drilling, and finishing one wrought-iron guide block for 40-pounder facing implements.																

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.	Material.	General Expenses.	TOTAL COST.
			£. s. d.	£. s. d.	£. s. d.	£. s. d.
633	29 May 1863 (73—3—3845)	- - - Altering the undermentioned breech tangent sights (in store) and making them conformable to the sealed pattern, namely: 20 6-pounder breech tangent sights. 133 9-pounder " " 48 20-pounder " " 207 40-pounder " " new pattern. 33 40-pounder " " old pattern. 145 110-pounder " " 34 110-pounder " " light. Including fling off leaf to jig, altering, notching, and angling leaf, and deepening the slot.	30 9 5	- - -	18 16 -	49 5 5
634	8 Aug. 1863 (87—Gen. No.—12. W. 2438)	Preparing drawings for Portsmouth Ordnance Factory, of Armstrong guns of all natures, showing the coils, tubes, and their distinguishing numbers and letters; also drawings showing the dimensions of powder chambers, bores, and rifle grooves, and of all vent pieces, tappets, levers, breech screws, and breech bouches; also showing the angle made by tangent sights, with the intersecting line of trunnions; and manufacturing a mahogany roller with handle and groove complete to hold the drawings.	3 10 10	- 5 -	2 3 9	5 19 7
635	11 Aug. 1863 (73—3—4271)	Removing the fractured coil from a 300-pounder gun of the Elswick Ordnance Company's manufacture, No. 23 (Exp. No. 133), and fitting a new coil in the place of it, including boring, turning, and recessing the coil, turning the gun to receive the same, and shrinking it on; finish turning it on the gun, and cutting grooves for hand-spikes; drilling and venting the gun. (This expense includes the alteration and repairs to tools and machinery required. The coil used for the above service was coiled and welded at Elswick, which will account for the high charge for material.)	11 3 11	41 4 10	6 18 5	59 7 2
636	12 Aug. 1863 (61—Gunpowder Factory—4167.)	Casting a new gun-metal end for glazing barrel, for gunpowder machinery, Waltham Abbey, including making drawings, pattern, moulding, casting, and trimming the same. The gun metal was supplied from the Gunpowder Factory, Waltham Abbey.	- 11 5½	- 1 1½	- 7 1	- 19 8

637	22 Jan. 1863 (57-10-4406)	-	-	-	1 10 3½	-	-	-	18 8	2 8 11½
Removing the badges from twenty 9-pounders smooth bore cast-iron guns, each weighing 24 cwt., and from ten 6-pounders, each weighing 17 cwt., including chipping and filing off the badges and dates from each gun, and stamping the Broad Arrow reversed on each.										
638	19 Aug. 1863 (87-2-14)	-	-	-	6 8 11½	2 11 1½	3 19 4	12 19 5½		
Manufacturing two driving pulleys for the bullet machine, at the Royal Ordnance Factory, Portsmouth, including making patterns, moulding, casting, trimming, turning, boring and facing the bosses, slotting keyways, and drilling holes for the uniting bolts; forging a template for parting each section in moulding, and casting, forging, turning, and screwing 12 bolts and nuts to match, for uniting the two sections, the pulleys being made in halves; also forging and fitting wrought-iron keys to secure the pulleys on the shafting.										
639	26 April 1862 (73-3-2931)	-	-	-	6 6 9¾	4 12 1½	3 19 2½	14 18 1¾		
Sighting a 300-pounder Armstrong gun, including finishing off the cascable, drilling a hole for breech block pin, fitting in breech block; forging, turning, and fitting the pin to secure the breech block; cutting grooves in the gun for handspikes; cutting out, shaping, and finishing off a mahogany sighting level, and preparing tracings of the gun.										
640	9 Nov. 1859 (57-23-413. 2659-269).	O. S. C.			100 4 6	1 19 7½	61 16 2	164 - 3½		
Manufacturing sights, and double sighting two 20-pounder pattern Armstrong guns (Nos. 132 and 256), one heavy and one light, including removing the ratchet sights, which are to be abolished. Making four gun-metal trunnion sights with two gun metal bushes for each, and fitting them complete with hog back steel leaf. (Four others were made, but not approved by the Ordnance Select Committee.) Making two breech tangent sights for each gun with rectangular steel bars, gun metal cross head, leaf, vernier screws with milled heads and elevating nut to each sight, bronzing, engraving, graduating, and completing them for sealing as patterns. Making four wrought-iron breech rings, including forging, turning, screwing, slotting, and fitting them to the breech of gun, and breech tangent sight. Forging, turning, and fitting four copper tightening handles, and fixing the same, with chain and stud, to the gun and breech ring. Forging, and manufacturing complete, 20 steel drifts, for making rectangular holes in the iron sight rings, to receive the steel tangent bar; also making six fluted drills for drilling the sights; screwing the guns for sight rings, browning and sighting them. Preparing all drawings, and tools, and repairing and adapting all machinery and plant required in the execution of this service.										
641	9 Nov. 1859 (57-23-413. 2664-274).	O. S. C.			- 5 -	-	- 3 1	- 8 1		
Altering the position of the guide plates for lanyards on the 9-pounder and 40-pounder Armstrong pattern guns for inspection by the Ordnance Select Committee in reference to the question under consideration as to their proper position; that on the 9-pounder gun was placed, as proposed by Captain Key, Royal Navy, between the tangent sight and the centre of the gun, and that of the 40-pounder gun, in accordance with the sketch furnished by Captain Hewlett, Royal Navy, the vent pieces of each gun were drilled and screwed to receive the crutch.										
642	5 Nov. 1858 (57-Woolwich 790)	-			65 12 1	- 5 10	40 9 5	106 7 4		
Examining the batteries at the grand dépôt, and keeping the same clean and in an efficient state for immediate service during the year 1863-4.										

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E).—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.					
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.				
643	13 Feb. 1861 (57—Woolwich—3156—W. 25 69).	Executing the necessary repairs to four 110-pounder guns, and one 70-pounder wedge gun; 110-pounder Armstrong gun (No. 71), manufactured in the Royal Gun Factories Department, repaired with new tube, sights, and indicator ring; including boring opening ends, boring and turning the same, taper boring the gun, and shrinking the tube in it, cutting off ends, boring, broaching, lapping, and rifling; forging, turning, and screwing, a wrought-iron breech ring, and fitting the same in the gun and rounding corners; filing up lever and tappet, and facing breech screw; manufacturing complete two trunnion and two breech tangent sights, and one new indicator ring; browning the gun, lever and tappet, and sighting complete. 110-pounder Armstrong gun (No. 82), manufactured in the Royal Gun Factories Department, repaired with new breech ring, and made in conformity with sealed pattern; including filing flaws in gun, rounding corners of lever and tappet, fitting new handle to lever, broaching, fitting with breech ring, and sighting the gun complete, and browning gun, lever and tappet; also manufacturing two new vent pieces, including turning, shaping, slotting, milling and fitting the vents, forging, turning, bending, drilling, and fitting, the shackles and cross heads; riveting and fitting them on the vent piece, forging and fitting a new indicator ring; also manufacturing and fitting complete, two new breech tangent and two trunnion sights, and one wrought-iron breech ring, and finishing the whole complete. 110-pounder Armstrong gun (No. 220), repaired with new D coil, sights adjusted, and made in conformity with sealed pattern; including turning off old coil, and turning gun to receive new one; coiling and welding D coil, boring and turning the same, and shrinking it on the gun; finish turning the gun, drilling vent and water hole, slotting vent port, facing breech screw, filing up lever and tappet, repairing and adjusting sights, fitting breech ring, browning the gun, lever, tappet, and breech screw, making a new indicator ring, and fitting the same to the gun; also making two new vent pieces, including turning, shaping, milling, slotting, and fitting the vent pieces, forging the cross heads and shackles, turning, bending and fitting the same, riveting them on the vent piece and finishing the whole complete. 110-pounder Armstrong gun (No. 189), manufactured at the Elswick Ordnance Company's Works, repaired with new indicator ring, and altering the same in conformity with sealed pattern; including facing, polishing and coning the breech screw, and repairing thread, slotting vent opening, filing saddle, repairing, bluing and adjusting sights, filing up lever and tappet, facing breech bouch, drilling vent, and water holes, and browning gun, lever, tappet, and breech screw; also making a new indicator ring and fitting the whole complete. 70-pounder Armstrong wedge gun (No. 8), manufactured by the Elswick Ordnance Company, repaired with new steel cup-holder, and sights repaired; including turning, planing, shaping and fitting the cup-holder, repairing the sights and finishing the gun ready for issue.	94	9	-	87	5	7½	58	5	4	239	19	11½
644	9 Nov. 1859 (57—23—413. O. S. C. 2662—272).	Manufacturing a wooden side tangent scale on Captain Hewlett's principle, mounted with brass and graduated slide, for experiment by the Ordnance Select Committee; including the preparation of drawings, shaping and planing a mahogany scale three feet in length, moulding, casting, planing, drilling, and fitting brass mountings and slide, and fitting the same to scale; fitting and fixing a pointer, and turning and fitting a thumbscrew; also finishing off, engraving, and varnishing the same.	2	8	-	-	5	6½	1	9	8	4	3	2½
645	22 Jan. 1863 (57—W.—4406)	Chipping the badges and dates from 10 8·6 inch smooth-bore cast-iron guns weighing 33 cwt. each, and from 15 7·6-inch guns weighing 29 cwt. each, and stamping the broad arrow reversed on each gun.	7	17	4	-	-	4	17	-	12	14	4½	

646	22 Jan. 1863 (57-22-5741)	-	2 19 7½	1 6 9½	1 16 10	6 3 3½
Manufacturing two cast-iron sockets for ventilating the stoke-hole and engine-room of the War Department steamer "Balaklava," including taking out the old sockets, moulding, casting, trimming, and fitting the new ones in place, repairing the old pipes by riveting pieces on where found necessary, and making one additional length, including bending wrought iron plate to shape, punching and riveting the same; also forging, turning, and screwing bolts for securing the cast-iron sockets, and fixing the whole complete.						
647	9 Nov. 1859 (57-23-413-W.-2587 O. S. C).	-	2 12 3½	-	1 12 2½	4 4 6
Cutting a 12 pounder Armstrong gun (Experimental No. 218) through the axis longitudinally, for examination by the Ordnance Select Committee, to ascertain the condition of the coils after firing a repeated number of rounds, including planing, filing, and facing the surface of one of the halves.						
648	9 Nov. 1859 (57-23-413-W.-2586 O. S. C. 2668-278).	-	8 6 3	7 14 3¾	5 2 6½	21 3 1½
Manufacturing a wrought-iron target for rifle small-arm practice, as proposed by the Assistant Superintendent Royal Gun Factory, including the cost of preparing three sets of drawings and specifications.						
(The great cost of making this target arises from having only one to make; the iron plate had to be rolled on purpose, and the expense of making suitable tools to flange such targets cheaply would be too great unless a large number had to be made.)						
649	20 Aug. 1863 (7309-708)	-	8 5 3	3 7 4½	5 2 4¾	16 15 -½
Manufacturing a buckle-cleaning machine for the use of the Military Store Department, including preparing drawings, making patterns, moulding, casting, and trimming four cast-iron bearings, two circular end plates for cylinder, and turning and fitting the same. Forging, turning, fitting, and fixing wrought-iron bars to support the frame and to connect the ends of cylinder. Forging, turning, and fitting a wrought-iron spindle for cylinder to work upon; covering the cylinder-frame with an old wrought iron cylinder, and riveting the same in its place; also, fitting a door for the reception of the buckles; forging, turning, and fitting a wrought-iron handle for turning the machine, and finishing the whole complete and ready for use.						
650	22 Aug. 1863 (61-I. of A.-335)	-	17 11 7½	6 9 8	10 16 10	34 18 1½
Manufacturing the apparatus for water-proving guns, to drawing furnished by the Inspector of Artillery, including preparing working drawings, cutting out, turning and boring two large and two small wooden plugs for fitting in the muzzle of the guns. Moulding, casting, trimming, turning, boring, and screwing four gun-metal tubes, and four sockets, fitting the same in the plugs; also four gun-metal bolts, with nuts and washers complete, for securing the tubes and sockets, and covering the plugs with stout butt leather. Forging and turning two wrought-iron swivel-, &c., fitting them to two wrought-iron half-inch chains, and two large, four medium size, and two small wrought-iron rings for fitting on to the trunnions of the guns. Forging, turning, screwing, and fitting one wrought-iron nut, one screw, and one lever handle to each chain; one wrought-iron cross-head, with two bolts and nuts complete, for cross-head and chain; moulding, casting, trimming, drilling, and turning two gun-metal sockets and one valve, with wheel and handle, and fitting the same to the engine hose.						

No. 2.—ROYAL GUN FACTORIES WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.	Material.	General Expenses.	Total Cost.
651	23 Feb. 1861 (57—Woolwich—3172)	Repairing and re-coppering the following guns used at proof butt for proving vent pieces, namely:— 1 9-pounder Armstrong gun. 2 12-pounder " 1 20-pounder " 1 40-pounder " Including manufacturing two breech-coppers, one 20-pounder and one 12-pounder. Removing the old coppers and re-coppering— 1 9-pounder Armstrong gun, No. 83. 1 12-pounder " No. 140, twice. 1 12-pounder " No. 210. 1 20-pounder " No. 55. 1 40-pounder " No. 183, twice. Also re-facing the coppers of the above guns, from time to time, as required.	£. s. d. 2 14 5½	£. s. d. - 15 -	£. s. d. 1 13 7	£. s. d. 5 3 -½
652	9 Nov. 1859 (W. 2616—O. S. C. 2675 --285).	Re-facing 110-pounder vent piece, No. 10, made of Mushet and Clare's steel for experiment by the Ordnance Select Committee.	- 5 -	- - -	- 3 1	- 8 1
653	22 Sept. 1863 (Regulation 18971)	Manufacturing a wooden model of a 300-pounder gun. Two blocks of pine, each 30 feet long and 20 inches square, were used in the construction of this model. After being cut to length, chipped, shaped, and planed, they were united with marine glue, and secured with iron bolts; also shaping, turning, and fitting a block of wood for trunnion, shoulder, and cascade, and fitting the same on to the model. Turning model, and finishing off complete, and painting the same. Forging, turning, and screwing wrought-iron uniting bolts and nuts. Forging, turning, fitting, and tempering two steel centres, cutters, and tools, and preparing the lathe for the execution of this service.	17 5 9½	14 15 9	10 13 -	42 14 6½
654	22 Jan. 1863 (57—22—5741)	Manufacturing one wrought-iron cover, or manhole door, for boiler of War Department steamer, "Lord Panmure," including forging, turning, drilling, and tapping the door; forging, drilling, and fitting two cross-bars, forging, turning, and screwing 6½ inch bolts to secure cross-bars to door, and finishing the same complete; also cleaning, repairing, and refixing a brass gauge-cock to boiler.	2 6 5½	- 5 2	1 8 6	4 - 1½

655	22 Jan. 1863 (57—22—5741)	Manufacturing 12 gun-metal shackles, and 12 pins of the same metal, for use on board the War Department vessels; including moulding, casting, and trimming; they were fitted and finished by the workmen of the Military Store Department.	-	8	6	1	5	6	-	5	2½	1	19	2½
657	9 Nov. 1859 (57—23—413)	Re-boring a 68-pounder 95 cwt. cast-iron gun up to 13 inches, and taper boring the same, lining the gun internally with two tubes, the inner one being of steel and the outer one of wrought iron, for experiment on Captain Palliser's plan; including turning and boring both tubes, and screwing (internally) the end of each to fit two plugs, one of wrought iron and the other of steel; forging, turning, and screwing a wrought-iron collar to fit the same; drilling two holes at a tangent through the tubes, and iron collar at the muzzle of gun, and forging, turning, and fitting two wrought-iron taper pins to the same, for the purpose of securing the collar in its place; also cutting a screw thread in the muzzle of the gun to receive a large octagon nut, used for securing the tube in its place; forging, turning, boring, screwing, and shaping the octagon nut, and fitting it to the gun; forging and fitting a large octagon screw key, for tightening the nut at muzzle of the gun; drilling of the gun; and screwing a copper bush, screwing, drilling, and fitting the copper bush to the steel vent, and venting the gun complete, and making it ready for trial; also performing the necessary repairs to tools, gauges, &c., required in the execution of this service; re-boring a 10-inch 84 cwt. cast-iron gun up to 14 inches, and taper boring the same, lining the gun with two wrought-iron coil tubes, for experiment on Captain Palliser's plan; including forging and welding the tubes, turning and boring the same, and screwing internally the end of each to fit two wrought-iron plugs; forging, turning, screwing, and fitting the plugs to the tubes; shrinking the two tubes together; cutting a thread in the muzzle end of the outer tube, and forging, turning, and screwing a wrought-iron collar to fit the same; also cutting a screw thread in the muzzle of the gun to receive a large octagon nut, used for securing the tube in its place; forging, turning, and fitting two wrought-iron taper pins through the tubes, and iron collar at the muzzle of gun, and forging, turning, and fitting two wrought-iron steel vent; forging, turning, boring, and screwing the steel vent, including venting, and making the gun ready for proof. After proof the vent was removed from the gun, the end turned down, and a conical copper end, 2½" long, fitted to it for the purpose of preventing the escape of gas; the gun was then re-vented, and sent for further proof. After second proof the vent was again removed and reduced in length, and a copper plug turned, drilled, and fitted to the conical part of the vent hole; the steel vent was then screwed hard down upon it. Also making and fitting a new head, 10" diameter to a 5" boring bar, for boring the gun, including forging cutters and screws for securing the same to the boring head; also making the necessary gauges required for carrying out this service.	151	12	8½	262	16	10½	93	10	-	507	19	7½
660	28 July 1863 (57—8—2719)	Altering and preparing 12 Russian cast iron 24-pounder guns, intended to form part of the Crimean Memorial Statue at Woolwich; including turning the guns to a uniform shape and size, and cutting square holes in each for the reception of an ornamental rail to enclose the statue; these guns are intended to stand in a perpendicular position (with their breech ends in the ground), and to form a square, connected by the ornamental rail fixed in the holes cut in the guns; also moulding, casting, and trimming 12 cast-iron plugs to represent shot, and fitting the same in the muzzles of the guns.	23	7	2½	-	10	7	14	7	2	38	4	11½

(The cost of the wrought-iron tube is not included in the above sum; the one previously made for and charged to the first 68-pounder, altered for Captain Palliser, was rejected on account of a slight flaw. It was used in the execution of this service by request of Captain Palliser.)

[illegible]

681	6 October 1863 (7633-485)	-	-	-	28 11 7½	7 9 11½	17 13 7	53 15 1½
Fitting an apparatus for the purpose of lifting the dead weight of the ballistic pendulum off the centres when not in use, and also for providing a constant supply of oil to the beds, including forging, planing, shaping and boring four wrought-iron levers for lifting pendulums; making patterns, moulding, casting and trimming four gun metal collars, four screws, nuts, and sockets, turning, drilling, screwing and fitting the same; making patterns, moulding, casting and trimming eight cast iron brackets and caps to the same, drilling, turning, planing and fitting them; forging, turning and screwing 14 wrought iron bolts and nuts, and fitting four zinc covers to protect the bearings; also the preparation of special tools and appliances for the execution of this service.								
682	22 September 1863 (73-3-4435)	-	-	-	- 10 4	1 1 8	- 6 6	1 18 6
Manufacturing two expanding guide blocks complete for 40-pounder facing implements, including moulding and casting two iron guide blocks and gun metal bushes, turning and boring the blocks, and fitting the metal bushes on the blocks, and finishing off complete, one for Shoeburyness, and the other for Her Majesty's ship "Excellent" at Portsmouth.								
683	22 January 1863 (57-22-5741)	-	-	-	4 4 1½	- 12 7½	2 11 10	7 8 7
Manufacturing one grease cock, one snifting valve and new seat to relief valve for the W. D. S. steamer "Lord Panmure," including repairing the old cocks and valves to enable her to proceed to sea; making pattern for grease cock, casting the same, boring, turning, screwing shell, turning and fitting plug, turning and fitting nuts for glands, turning and fitting handle, grinding cock, screwing into boiler and making joint; making pattern for snifting valve, casting, turning and fitting the same, turning and fitting valve box; turning and grinding valve; turning and screwing nut for gland, and screws for the same; screwing and fitting check nut, and fitting into pump, and making joint; turning new seating for relief valve, fitting new gun metal tail for the same, turning seat of valve, grinding valve into its place, and making joint to cylinder; also, forging, turning and screwing bolts and nuts for the above.								
684	{ 9 November 1859 (O. S. C.-2727-333) -57-23-413-W.-3091 } -	-	-	-	- 19 9	-	- 12 2	1 11 11
Bisecting longitudinally a 110-pounder Royal Gun Factory vent-piece made of tempered steel, including planing the bisected faces and filing and polishing the vent-piece all over. This vent-piece was bisected for experimental purposes, and to enable the Ordnance Select Committee to ascertain and note the effect produced upon the vent after a repeated number of rounds had been fired with it.								
685	7 October 1863 (80 -A.-1628)	-	-	-	3 14 6	1 1 3½	2 6 -	7 1 9½
Attendance of an artificer at Shoeburyness for the purpose of sighting the 600-pounder muzzle loading gun, No. 187, according to the plan proposed on tracing W. 1070; also manufacturing the articles necessary for the same, including forging, turning and screwing two wrought iron screws; forging and fitting one wrought iron spanner; moulding, casting and trimming two gun metal sights; turning, drilling, filing and fitting the same to gun. These two sights are fixed in the same position on the gun, as the ordinary dispart and ratchet sights.								
686	{ 9 November 1859 (57-23-413-W.-) 3109-G.-27-55-2730-335 } -	-	-	-	- 19 10	-	- 12 3	1 12 1
Bisecting longitudinally a 110-pounder vent-piece, made of Messrs. Cammel's tempered steel, including planing the bisected faces and filing and polishing the vent-piece all over. This vent-piece was bisected for experimental purposes, and to enable the Ordnance Select Committee to ascertain and note the effect produced upon the vent after a repeated number of rounds had been fired with it.								
688	6 October 1863 (57-2-8154)	-	-	-	3 7 8½	-	2 1 6	5 9 2½
Regulating and adjusting the guide plates of various 40-pounder Armstrong guns in store.								

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E).—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		TOTAL COST.
			£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	
689	- - - - -	Fitting a lathe with an arrangement for testing shell fuzes. This experiment, which was carried out for the Committee on Fuzes, was intended to ascertain the amount of friction fuzes of various natures would endure before exploding.	- 6 9½	-	-	-	- 4 2	- 10 11½	
690	14 Oct. 1863 (73—3—4444)	Preparing drawings of an apparatus to be manufactured on this order, to be used for the purpose of testing the value of the method of welding the coils of the Armstrong guns, as proposed by Captain Dyer, Royal Artillery, in accordance with tracing supplied.	9 16 6½	-	-	-	6 1 2	15 17 8½	
691	9 Nov. 1859 (57—23—413)	Re-coppering a 20-pounder land service gun (Experimental No. 214) for experiments by the Ordnance Select Committee, including boring out the recess for breech copper, cutting off, hammering, turning, boring, drilling hole, screwing, slotting and fitting a new breech copper, having a thicker flange than the one previously fitted to the gun; also, re-coppering a 20-pounder gun (No. 28), including manufacturing a new breech copper as above, and fitting the same to gun; re-facing and re-angling copper bouch, and re-facing the breech screw.	1 10 10½	- 11 1	-	-	- 19 1	3 1 -½	
692	9 Nov. 1859 (2735—340—57—23—413)	Re-bouching six vent-pieces (namely, two 110-pounders, two 40-pounders, and two 12-pounders), with two lengths of copper instead of the usual method with several pieces, including cutting copper to length, turning, boring, facing and finishing six plain and six screwed lengths, driving in plain length, and securing the same in its place by screwed piece on the top. The above service was executed to enable the Ordnance Select Committee to carry out an experiment.	1 18 5½	- 6 9½	-	-	1 3 8½	3 8 11½	
694	21 Oct. 1863 (D.—2634)	Re-facing the copper rings of two 12-pounder Armstrong guns belonging to the I. Battery Royal Artillery, returned from Shoeburyness; also filing out the rifle grooves and re-facing the breech coppers, and rendering them fit for service.	3 8 11	-	-	-	2 2 6	5 11 5	
696	11 April 1863 (80—T.—109)	Altering 99 projectiles as suggested by Mr. Lynam Thomas, for experiment with his 9" gun, including deepening the grooves of projectiles, and covering them with white metal, and re-rifling to gauge, also making six new steel projectiles for the above gun. Twenty of these projectiles were tempered in oil. The whole 99 had two holes ⅜" in diameter drilled in the breech end, and were tapped to receive two eye bolts for convenience in lifting; the grooves were deepened by rifling, they were then heated in a furnace, and the grooves tinned to cause the white metal to adhere, the grooves were then covered with white metal, re-rifled, filed to gauge, finished and painted; also forging six steel projectiles, similar in all respects to the above, and fitting with eye bolts in the same manner.	143 8 7½	129 19 10½	-	-	88 9 7½	361 18 2	
697	9 Nov. 1859 (O.S.C.—G.—27—66)	Reducing Mr. Jeffrey's 68-pounder rifled gun (Experimental No. 93) two calibres in length, for experiment by the Ordnance Select Committee in ascertaining the initial velocity of projectiles. The muzzle of the gun was turned and rounded off after being cut, and the grooves at muzzle filed and finished off, and the gun made ready for experiment.	- 12 4	-	-	-	- 7 7½	- 19 11½	
698	14 October 1863 (73—3—4485)	Altering 200 12-pounder land service vent-pieces (from store), and rendering them suitable for sea service, including drilling and tapping holes for crutches.	3 7 1½	-	-	-	2 1 4½	5 8 6½	

699	20 October 1863 (73-3-4519)	-	-	-	-	13	9½	-	-	8	6	1	2	3½
700	9 Nov. 1863 (2739-344)	-	-	-	-	17	6	-	-	10	9½	1	8	3½
701	20 Oct. 1863 (57-Chatham-989)	-	-	-	-	3	2	8½	1	6	1½	1	18	7½
702	23 Oct. 1863-O.S.C. Regn. (2742-346)	-	-	-	-	4	10	-½	-	4	-½	2	15	6½
703	16 Oct. 1863 (73-3-4544)	-	-	-	-	-	5	9	-	-	3½	-	9	6½
704	21 October 1863 (93-3-4508)	-	-	-	-	3	8	9	105	17	11½	2	2	5
												111	9	1½

Fitting the original sealed pattern 40-pounder Armstrong gun with a breech-screw without grooves, for the keep pins of the tappet, and plugging up the holes for keep pins in the present tappet, in accordance with instructions from the Ordnance Select Committee.

Bisecting longitudinally a model of a 68-pounder cast iron gun, which had been lined with a wrought iron tube, on Captain Palliser's principle; it was cut so that the full half of the bore might be left on one side for observation; the bisected faces were then planed, filed and polished off; also, partially taking to pieces a model of a 10" gun, fitted on Captain Palliser's principle, including unscrewing, and removing casable, and extracting tube; this was done to enable the Ordnance Select Committee to ascertain whether there had been any escape of gas into the threads of the screwed casable.

Manufacturing a wooden model of a 9-pounder Armstrong gun, for Chatham, for fitting boats, including cutting, turning and shaping a pine block; shaping, turning and fitting a walnut wood tappet and lever, and a mahogany trunnion and shoulder; fitting the same to model, and drilling and screwing on an iron-plate to the breech end of the same.

Cutting off 18 inches from the muzzle of a 12-pounder Royal Gun Factory gun, No. 116, to show the way the coil had opened, stamping the number and make of the gun on the piece cut off, and rounding and polishing the muzzle end of the gun, and top of grooves after being cut; also, cutting off 18 inches from the muzzle of a 12-pounder Royal Gun Factory gun (No. 270), to show the burst, stamping the number and make of the gun on the piece cut off, and rounding and polishing the muzzle end of the gun, and top of grooves after being cut; also, cleaning and brightening the following old brass ordnance, namely, one 8-inch howitzer from Devonport, and one 9-inch American gun, marked JMP, and SNV9, including boiling in potash, washing in cold water and spirits of salts, and polishing and lacquering the same; likewise facing, cleaning and polishing two 110-pounder vent-pieces; one of the Elswick Ordnance Company's manufacture (from Dover), which had been distorted at the back, and one of the Royal Gun Factories' manufacture which had been distorted at the bottom. The above services were executed for the Ordnance Select Committee.

Preparing 10 tracings of the various natures of Armstrong guns, for use of the school of gunnery, Shoeburyness; also, manufacturing one mahogany roller, with a groove cut the entire length, and fitted with a lathe for attaching the above tracings to, including finishing off and polishing the same.

Experimentally testing the strength of a 70-pounder steel tube, as used for the interior of rifled ordnance, by firing with various charges of powder. The tube (which was a defective one) was bored out to 6¼ inches diameter, leaving the one end solid; it was then sent to the proof, but when 10 rounds of 5 lbs., and 1 round of 10 lbs. of powder, with 32-pounder shot, were fired from it, at the last round the tube gave way at the solid end. The defective portion of the solid end of the tube was then cut off, the tube reversed, and shrunk nine inches up in a solid breech-piece. A wrought iron plug was made, and inserted nine inches up, in the breech end of the tube, and a copper cup to prevent the escape of gas, thus bringing the end of the chamber in line with the face of the breech piece; it was then returned to the proof; but when two rounds of 6 lbs. of powder, two rounds of 8 lbs., and 15 rounds of 10 lbs. of powder, with 32-pounder shots, were fired, the tube burst.

No. 2.—ROYAL GUN FACTORY, WOOLWICH ARSENAL.—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.			Material.			General Expenses.			Total Cost.		
			£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
705	9 Nov. 1859 (57—23—413—G.—24—191)	Manufacturing three new side scales on Captain Hewlett's principle, namely, one for 110-pounder sea service gun carriage; one for 70-pounder sea service gun carriage; and one for 20-pounder sea service gun carriage, including cutting to length, shaping and planing three mahogany side scales, moulding, casting, trimming, planing, drilling and fitting brass mountings and slides for the same; fitting and fixing a steel needle or pointer to each, turning, screwing and fitting thumb-screws, and engraving and finishing off the whole complete: Also, making and fitting on additional brass strengthening plates to the 20-pounder and the 110-pounder side scales, and finishing off complete.	10	-	8	-	14	4½				16	18	9½
706	26 Oct. 1863 (52—2—7253)	Manufacturing three hind sights on Commander Singer's pattern, for the 110-pounder cupola gun, for instruction on board Her Majesty's ship "Excellent" at Portsmouth; including forging, turning, shaping and fitting five internal and five external steel sliding tangent bars, cutting and fitting dove-tailed grooves in the external bars to receive the sliding internal ones; also, graduating and engraving the same. Moulding and casting five gun metal sockets, five vernier bars with washers, and five tightening screws; turning and fitting the sockets, turning, fitting, screwing and milling the vernier screws, washers and tightening screws; drilling and countersinking the sockets, forging, turning and screwing twenty wrought iron screws with countersunk heads, fitting together the sights with the tangent bars, and engraving, graduating and finishing off the whole complete. In order to execute this service it was necessary to fit up a milling machine for cutting dove-tails, to make five steel drifts, two drills, five planing tools, rose cutter, gauges, &c.	46	13	3	5	4	4½	28	15	8½	80	13	4
710	- - - - -	Repairing crane at the Clothing Establishment, Woolwich, and putting it in thorough working order; including taking off the break which acted imperfectly, altering and refitting the same. It was also found necessary to take the crane entirely to pieces, thoroughly clean, refix, and put it in proper working order.	-	12	7	-	-	-	-	7	9	1	-	4
711	22 Jan. 1863 (57—22—5741)	Manufacturing a new starting screw for engines of War Department steamer "Lord Panmure," including forging, turning, cutting screw, fitting and finishing new starting screw for reversing gear; taking out old one, which was broken, fitting and fixing the new one in its place, and placing the engines in thorough working order.	2	10	7	-	3	2½	1	11	2½	4	4	11½
712	9 Nov. 1859 (57—23—413—2746—350)	Repairing one ordnance iron 70-pounder Armstrong shunt gun fitted with an iron plug, on Captain Dyer's plan, for further experiment at Shoeburyness, by the Ordnance Select Committee; it was found at the first experiment that the breech piece, through shifting during firing, had caused the plug to shift slightly from the back, and, in order to obviate this, the breech end of the plug was cupped out, so that, in firing, the thin edges might expand and fill up the opening. This service includes the preparation of a boring bar, altering and fitting cutters to the same, and boring the breech end of plug.	3	11	4	-	-	-	2	4	-	5	15	4
713	9 Nov. 1859 (57—23—413—Regn. 2755—359)	Lapping out the muzzle, and deepening the rifle grooves of a 110-pounder Armstrong gun, in order to remove the grip, for experimental practice with pillar fuzes (phosphorus composition) at Shoeburyness, by the Ordnance Select Committee; marking the gun on the trunnion with experimental number 233.	1	4	3	-	-	-	-	1½	11½	1	19	2½

714	9 Nov. 1859 (57—23—413)	-	-	-	4 4 8½	-	2 12 3	6 16 11½
715	"	-	-	-	14 9 8	- 19 -½	8 18 7½	24 7 8½
716	3 Nov. 1863 (Reg. No. 20,026)	-	-	-	1 7 11½	-	- 17 2½	2 5 2
717	5 Nov. 1863 (138—336)	-	-	-	65	- 7 15 8 9	40 2 4	120 11 8

Completing the repairs to one 12-pounder Armstrong gun (No. 324), manufactured in the Royal Gun Factories Department, including fitting and repairing sights, brown-ing gun, and sighting it complete and ready for issue.

Manufacturing four brass plates for labels, for the Ordnance Select Committee; including cutting the plates from sheet brass ⅜" thick, hammer hardening, filing and polishing the surface ready for engraving; making four studs, and soldering the same at the backs of three plates for mounting on frames, and drilling eight holes in the other plate, and countersinking the same; engraving one plate 8" x 12" with an inscription containing 288 letters, and one 7" x 4½" with an inscription containing 176 letters and figures; engraving two plates 10" x 6" each, containing 190 letters, and filling the whole of the letters and figures with wax and mounting three of the plates on sloping mahogany frames; manufacturing two mahogany frames 10" x 6" and one 7" x 4½", and polishing the same.

Examining and testing for the Ordnance Select Committee, six specimens of iron which had been smelted with peat, with a view to ascertain its fitness for making shot to test armour plates; including testing one bar 1" square and 20" long, and three bars 1" square and 10" long for transverse strain, turning one specimen to gauge and testing for tensile strain, and testing one specimen turned to gauge to ascertain the crushing strain.

Sighting a 300-pounder smooth bore muzzle-loading cupola gun (Experimental No. 43) of the Elswick Ordnance Company's manufacture, for Her Majesty's ship "Royal Sovereign," and fitting the same with brass rack, on Lieut. Roche's plan.

Manufacturing a set of sights, including moulding, casting, turning, and fitting two gun metal sockets for breech tangent sights, and making the breech tangent sight complete with milled nuts and tightening screws; engraving and graduating the same. Also, forging, turning, and fitting complete two copper tightening handles and two trunnion sockets. Drilling two holes through the breech of the gun, and recessing the same for the breech tangent sights' sockets; also drilling and fitting holes to receive the trunnion sights, and sighting the gun complete. The sights being deemed too far apart, they were brought closer together, and nearer the centre of the gun, to render it suitable for the narrow port-holes in the vessel, and the gun was then re-sighted. Also, casting and fitting a gun metal rack, and fixing the same underneath the breech of the gun, by eight 1-inch bolts, which were forged, turned, and screwed for that purpose. This rack is intended to be worked by a pinion attached to the carriage, by means of which the gun may be elevated or depressed, as proposed by Lieut. Roche. Manufacturing a breech tangent sight and trunnion sight for cupola shield; including forging a solid steel bar for tangent sight, 2 feet 6 inches long and 1½ inches diameter, turning the sides to a rectangular form, filing the flat surface and polishing and graduat-ing the same. Making patterns, and casting a gun metal socket with flange, tightening screw, leaves, and cross heads. Turning, slotting, and fitting the socket to the steel bar, drilling two countersunk holes through the flange of the socket. Forging, turning, and screwing two 5-8 inch countersunk screws for the same; turning, milling, and fitting tightening screw to socket. Turning, boring, shaping, and fitting the cross head, turning, shaping, and fitting the leaf and vernier bar; also, turning, screwing, and fitting milled head elevating nuts. Bronzing, engraving, and graduating the breech tangent sight, and fitting the whole complete. Forging a steel trunnion sight, turning and finishing the same complete. Casting, turning, boring, screwing, shaping, recessing, and fitting a gun metal hexagonal socket for trunnion sight, with hexagonal gun metal screw nut.

(The reason of the difference in the cost of services, No. 671 and 717, is as follows: In the case of 671, the gun was simply sighted; but in 717, after the gun had been sighted complete, it was found necessary to remove the sights and bring them closer together, in order to adapt it for use in Capt. Cole's cupola, consequently the gun had to be re-sighted entirely. In addition to this, a large gun metal rack and pinion were made and fitted to the breech of the gun, for the purpose of elevating it when attached to a carriage on Lieut. Roche's plan. There were also two sights of a special description made in this order for the cupola shield, i.e. a tangent-sight 2 feet 6 inches long, with a gun metal socket, tightening screw leaves and cross head, and a trunnion sight 15 inches long, with a gun metal hexagonal socket and screw nut; the cost of the metal rack alone, without labour, was 12*l*.)

No. 2.—ROYAL GUN FACTORY, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.
			£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	£. s. d.	
718	{ 9 Nov. 1859 (57—23—413. Reg. O. S. C. 2759—363) - - - }	Bisecting a 110-pounder vent-piece, made of Mushet and Clare's steel (with which 300 rounds had been fired), by cutting it through the centre, longitudinally, planing, filing, and polishing the beveled faces, and stamping No. 11 on each half. This service was executed to enable the Ordnance Select Committee to ascertain the effect produced on the vent-piece after firing the above number of rounds.	1 3 6	- - -	- - -	- - -	- 14 6	1 18 -	
720	9 Nov. 1863 (138—333—G. 24—204)	Manufacturing a wrought-iron extractor for 300-pounder Armstrong rifled projectiles; including forging, turning, and shaping disc, turning and fitting a steel pin to each arm, so as to fit into two projecting eyes cast in each projectile, for the purpose of extracting them from the gun, and finishing the extractor, and fitting the same to three 300-pounder rifled projectiles.	2 6 3	- 7 10	- - -	1 8 6½	- - -	4 2 7½	
721	14 Nov. 1863 (D.—2596) - - -	Opening and cleaning the breech of one of Eastman's 8.1" American guns, including preparing the necessary appliances for shifting the breech back on its rack, in order that drawings might be made of the internal arrangements of the gun, and replacing the same after the measurements were taken.	1 7 9½	- - -	- - -	- 17 2½	- - -	2 4 11½	
722	- - - - -	Examining and verifying the sights and tangent scales of six 12-pounder muzzle-loading Armstrong guns, and one 12-pounder muzzle-loading Whitworth gun; also weighing and stamping the weight on each of the six Armstrong guns.	2 6 7½	- - -	- - -	1 8 9	- - -	3 15 4½	
723	23 Feb. 1860 (7857—67) - - -	Time of a draughtsman while engaged with Lieut. Gatt, of the Royal Malta Fencibles, who was authorised to receive a short course of instruction in the Royal Gun Factories Department.	- 10 -	- - -	- - -	- 6 2	- - -	- 16 2	
724	9 Nov. 1859 (57—23—413)	Manufacturing for the Ordnance Select Committee a cast-iron cylinder gauge 2 feet long, for the projectiles of the 7-inch wrought-iron muzzle-loading gun on Commander Scott's principle; including making pattern, moulding, casting, and trimming the cylinder, turning, boring, rifling, lapping out and finishing to same dimensions as the gun; also cutting off from gauge two rings 1½ inch, and the other 8 inches in length; these gauges are for the Royal Laboratory Department, and are intended to pass the projectiles through which are manufactured in that Department, for the above-named gun; the two small rings to be used as ordinary working gauges. In order to perform this service, a lathe was altered, and fitted with new step, which was moulded, cast, trimmed, planed, bored, and fitted to it.	8 5 7½	1 19 1½	- - -	5 2 2	- - -	15 6 11	
725	23 Feb. 1861 (57—Woolwich—3172) -	Testing garrison bands for the Military Store Department, as forwarded from time to time; including making alterations to the testing machine, and adapting an apparatus to the same, for tightening up the bands when placed in the machine for testing; turning and fitting a wrought-iron rod with wheel at the lower end for turning the same; fitting a pinion wheel at the other end, and connecting the same with another pinion wheel and screw fixed on the top of the machine, so as to grip the end of the garrison band and tighten up the same.	14 14 5½	1 11 3½	- - -	9 1 7½	- - -	25 7 4½	
726	17 Feb. 1862 (61—N. C. D.—974) -	Planing the surfaces of nine lathe-beds, and part of the sides of the same for the slide-rests and saddles to work on, for the Royal Laboratory Department.	7 2 1	- - -	- - -	4 7 7½	- - -	11 9 8½	

727	O. S. C. (57-23-413-W.-3526)	Manufacturing three cast-iron cylinder gauges for the use of the Royal Laboratory Department, for passing the finished projectiles through which are required for experiments with the following competitive wrought-iron rifled guns; viz., Mr. Lancaster's 7-inch gun; one 7-inch gun on the French plan, and one 7-inch gun as proposed by the Ordnance Select Committee; including making pattern, moulding, casting, trimming, turning, boring, lapping out and rifling, exactly the same as the gun, with the same amount of spiral, and turning and fitting a rifling bar.	33 11 2½	7 17 7½	20 14 2	62 3 1½
728	24 Nov. 1863	An artificer attending five days at Dover, for the purpose of examining and repairing the defect in the working apparatus of the 40-pounder wedge gun, and attending during the experiments with the same.	1 17 1½	-	-	1 17 1½
729	26 Sept. 1862 (7637-39)	Preparing drawings (for the War Office) of the machinery used at Waltham Abbey in the manufacture of gunpowder.	86 7 4	-	53 5 7	139 12 11
730	-	An artificer attending two days at Shoeburyness, for the purpose of examining and ascertaining the condition of the 7-inch Whitworth gun at that station.	- 13 5½	-	-	- 13 5½
731	26 Nov. 1883 (83-7-45-O. S. C.-9-11-59-57-23-413-2796-390)	Altering a 68-pounder cast-iron gun, weighing 95 cwt., for experiment to test a gun carriage, and system of elevating and depressing guns without moving their muzzles, thereby reducing the size of ports and embrasures to a minimum, as proposed by Lieut. Colonel Shaw, Royal Artillery, Assistant Superintendent, Royal Carriage Department; including cutting off the trunnions, turning the gun to receive two large wrought-iron coils or belts, one round place usually occupied by the trunnions, and the other round the breech; drawing ends, scarfing, coiling and welding two coils, boring the same, and shrinking them on the gun; finish turning the coils, cutting out four side sockets in the same, two in each coil, to rest upon a sliding projection in the interior of the gun carriage, for the purpose of elevating or depressing the gun.	57 11 9	32 7 10	35 10 5½	125 10 -½
732	9 Nov. 1859 (57-23-413-2795-389)	Cutting through the breech of two unserviceable cast-iron guns, namely, one 68-pounder, No. 897, and one 32-pounder, No. 382, for the Ordnance Select Committee, to ascertain the extent of the "hair lines" or flaws in each vent; including drilling, slotting and shaping a piece out of the breech ends, in order to detach that portion of the gun which contained the vents, to enable the Ordnance Select Committee to examine and note the effect produced after firing a number of rounds; also, making drills and repairing cutters to execute this service.	7 6 6½	2 - 3	4 10 4½	13 17 2
733	20, 28 and 30 Nov. 1863 (80-B.-404)	Preparing, for the War Office, copies of three drawings of Russian guns; also, preparing a drawing of an 8-ton steel gun, and a tracing of a 68-pounder cast-iron gun.	- 10 10½	- 4 6	- 6 8½	1 2 1
734	4 Nov. 1859 (O. S. C.-2215)	Manufacturing two sets (10 to each set) of gabion bands on Serjeant Major Jones', R. E., principle; including cutting in lengths, from hoop-iron, 20 pieces, each 6 ft. 5 in. long and 3¼ inch wide; planing the edges and drilling four holes at each end, two holes on one end of each band being slotted to receive uniting studs; forging two steel standard gauges, turning, filing, fitting and finishing the same, for use in examining bands that may be supplied by contract.	9 11 10	- 17 7	5 18 4	16 7 9
735	14 Oct. 1863 (57-16-1530)	Manufacturing a wrought-iron target, with cross-stays and brackets for supporting the same, for service in India; including bending the edges of the plate, forging, turning, and fitting two cross-stays and two brackets for holding the same; planing the face and edges of the target, cutting the cross and circular lines on the face, drilling and fitting 12 holes in the edges; forging, turning, and screwing four bolts and nuts, and fitting the whole complete and ready for service.	7 18 10½	7 14 9½	4 18 -	20 11 8
736	19 Nov. 1863 (80-R.-139)	Preparing drawings for Mr. Scott Russell, illustrative of his plan of converting the 68-pounder cast-iron service guns into breech-loaders.	1 8 -	1 1 6	- 17 3½	3 6 9½

Manufacturing three cast-iron cylinder gauges for the use of the Royal Laboratory Department, for passing the finished projectiles through which are required for experiments with the following competitive wrought-iron rifled guns; viz., Mr. Lancaster's 7-inch gun; one 7-inch gun on the French plan, and one 7-inch gun as proposed by the Ordnance Select Committee; including making pattern, moulding, casting, trimming, turning, boring, lapping out and rifling, exactly the same as the gun with the same amount of spiral, and turning and fitting a rifling bar.

An artificer attending five days at Dover, for the purpose of examining and repairing gun, with the same amount of spirit, and turning and mending a firing gun, and attending the defect in the working apparatus of the 40-pounder wedge gun, and attending during the experiments with the same.

Preparings drawings (for the War Office) of the machinery used at Waltham Abbey in the manufacture of gunpowder.

An artificer attending two days at Shoeburyness, for the purpose of examining and ascertaining the condition of the 7-inch Whitworth gun at that station.

Altering a 68-pounder cast-iron gun, weighing 95 cwt., for experiment to test a gun ascertaining the condition of the 7-inch wrought-iron gun at that station.

carriage, and system of elevating and depressing guns without moving their muzzles, thereby reducing the size of ports and embrasures to a minimum, as proposed by

Lieut. Colonel Shaw, Royal Artillery, Assistant Superintendent, Royal Carriage Department; including cutting off the trunions, turning the gun to receive two rounds placed generally occupied by the trunions.

large wrought-iron coils or belts, one round place usually occupied by the trunnions and the other round the breech; drawing ends, scarfing, coiling and welding two and the other round the breech; drawing ends, scarfing, coiling and welding two

coils, boring the same, and shrinking them on the gun; finish turning the coils, cutting out four side sockets in the same, two in each coil, to rest upon a sliding

projection in the interior of the gun carriage, for the purpose of elevating or depressing the gun.

Cutting through the breech of two unserviceable cast-iron guns, namely, one 68-pounder, No. 897, and one 32-pounder, No. 382, for the Ordnance Select

Committee, to ascertain the extent of the "hair lines" or flaws in each vent, including drilling, slotting and shaping a piece out of the breech ends, in order

including drilling, slotting and snapping a piece out of the vents, to enable the Ordnance Select Committee to examine and note the effect produced after detaching that portion of the gun which contained the vents.

Ordnance Select Committee to examine and note the effect produced by firing a number of rounds; also, making drills and repairing cutters to execute this service

Preparings for the War Office, copies of three drawings of Russian guns; also, a drawing of an 8-ton steel gun, and a tracing of a 68-pounder cast-iron gun.

preparing a drawing of an 8-ton steel gun, and a tracing of a 68-pound cast-iron gun.

Manufacturing two sets (10 to each set) of gabion bands on Serjeant Major Jones, R. E. principle; including cutting in lengths, from hoop-iron, 20 pieces, each 6 ft. 5 in. long, 1 in. thick, and drilling four holes a each end, two

long and $3\frac{1}{4}$ inch wide; planing the edges and drilling four holes at each end, two holes on one end of each band being slotted to receive uniting studs; forging two

steel standard gauges, turning, filing, fitting and finishing the same, for use in examining bands that may be supplied by contract.

Manufacturing a wrought-iron target, with cross-stays and brackets for supporting the same, for service in India; including bending the edges of the plate, forging, &c.

[illegible]

the face and edges of the target, cutting and screwing four bolts in the target, and fitting 12 holes in the edges; forging, turning, and screwing four bolts in the target, and fitting 12 holes in the edges; and fitting the whole complete and ready for service.

Preparing drawings for Mr. Scott Russell, illustrative of his plan of converting the 68-pounder cast-iron service guns into breech-loaders.

746 25 August 1862 (54—Artillery—9261)

Completing 56 gun-metal models of the undermentioned guns and mortars, on a scale of 2 inches to the foot, and intended for instruction in gunnery at various stations:

- 14 models of a 68-pounder gun - - - of 95 cwt.
- 14 " " 32-pounder " - - - of 56 "
- 14 " " 8-inch " - - - of 65 "
- 14 " " land service mortars.

Including turning, boring, and finishing complete, eight models from the foundry; finishing two others which had been previously worked upon; lining off and marking the sighting lines on the 56; weighing, and stamping the weight on each gun; re-boring 14, and finishing the whole complete.

Manufacturing 3 sets (3 to each set) of special priming irons for the Whitworth 12-pounder competition guns; including forging, filing, and finishing the same complete.

Cleaning and brightening the undermentioned brass ordnance; including washing in potash and water, cleaning them bright with sand and oil, and polishing the same for the Rotunda Museum, and the Ordnance Select Committee Museum, Royal Arsenal.

For Rotunda Museum:

No.		Cwts.	qrs.	lbs.
2	Chinese - - - - -	0	1	6
1	" 2 bore - - - - -	4	2	0
2	African, 3½ " - - - - -	5	0	0
1	East Indian, 4½ " - - - - -	8	0	6
1	6-pounder, 8 feet in length - - - - -	19	2	8
1	12 pounder howitzer - - - - -	6	2	24
1	Patteraro - - - - -	0	0	24

For Ordnance Select Committee:

1	6-pounder gun (year 1817) - - - - -	6	0	7
1	6-pounder " (Colonel Wilmot) - - - - -	5	3	26
1	9-pounder " - - - - -	13	0	0
1	9-pounder " (year 1810) - - - - -	13	3	20

Manufacturing a wrought-iron target, without stays and bolts, for pattern to guide supplies by contract; including bending the edges of the plate, forging, turning and fitting two brackets for holding the stays, planing the face and edges of the target, cutting the cross and circular lines on the face, drilling and fitting twelve holes in the edges, and completing and making the whole ready for sealing as a pattern.

Breaking a spherical shot 7½" diameter, made of Berger's cast steel (and weighing 65 pounds), in order to ascertain the quality of the metal; a report of the result, and the fragments of the shot were forwarded to the Ordnance Select Committee for their information. This service included boring a 2" taper hole through the shot, turning a steel mandril to fit the same, and placing the slot with the steel mandril in the hole under the steam hammer to be broken; slots were cut at the side of the hole, and a recess turned round the shot, in order to facilitate its breaking.

Preparing a tracing of testing machine, for Mr. Alexander Denaret, agent for the Italian Government.

749 5 February 1863 (76—63—30) -

750 9 Nov. 1859 (O. S. C. 2816—486) -

751 (20320)—(110—1) -

754 14 Dec. 1863 (Minute 10,454)—(20—443)

755 7 November 1863 (7877—980) -

45 3 3½ -

73 - 6½

27 17 3

- 5½

- 5 11½

- 16 -

8 3 9

2 4 5

5 1 -

15 9 2

6 19 -

7 9 3½

4 5 9

18 14 -½

1 13 4½

- - -

1 - 7

2 13 11½

- 6 -

- 2 6

- 3 8½

- 12 2½

No. 2.—ROYAL GUN FACTORY, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION	Labour.			Material.			General Expenses.			Total Cost.		
			£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.
756	14 Dec. 1863 (20,427)	- - -	-	3	9	-	3	-	-	2	3 $\frac{3}{4}$	-	9	- $\frac{3}{4}$
757	11 Dec. 1863 (7631-77)	- - -	2	13	-	-	-	3 $\frac{3}{4}$	1	12	7 $\frac{1}{2}$	4	5	11
758	9 Nov. 1859 (O. S. C 57-23-413)	-	-	11	8	-	3	1	-	7	2 $\frac{1}{2}$	1	1	11 $\frac{1}{2}$
759	9 Nov. 1859 (57-23-413. O. S. C. 2821-410. W. 3736).	-	1	6	- $\frac{1}{2}$	-	-	-	-	16	- $\frac{3}{4}$	2	2	1 $\frac{1}{2}$
760	2 Sept. 1863 (51-Woolwich-4770)	-	5	1	11	-	-	-	3	2	10 $\frac{1}{2}$	8	4	9 $\frac{1}{2}$
761	10 Nov. 1863 (57-8-2857)	-	10	7	8 $\frac{1}{2}$	-	-	-	-	-	-	10	7	8 $\frac{1}{2}$
762	13 Feb. 1860 (57-Woolwich-3156)	-	118	14	1 $\frac{1}{2}$	15	9	1 $\frac{1}{2}$	73	4	7	207	7	9 $\frac{1}{2}$

Preparing a tracing of Captain Scott's 7-inch gun, showing thereon the rifling, and form of the grooves.

Preparing tracings of the rifled guns of every nature at present in the service, for the use of the Royal Artillery Institution; also, making a mahogany roller for the same; including cutting to length, shaping with handle at one end; cutting a groove for fixing the tracings in and finishing off complete.

Drilling out the old copper vent from an experimental cast-iron gun, fitted with two wrought-iron tubes, on Captain Palliser's principle, including re-tapping the vent hole, manufacturing a new copper vent, turning, screwing, drilling, and fitting the same in the gun, and making complete for further experiment by the Ordnance Select Committee.

Bisecting two 12-pounder vent pieces through the centre longitudinally, to enable the Ordnance Select Committee to examine them, and judge of their durability; planing, filing, and polishing the bisected faces; stamping each vent with its number, factory make, and nature of material (Cammel's tempered steel), and cutting a slice one inch in thickness off the back of each vent longitudinally.

Reversing the broad arrow and removing the badges from the under-mentioned forty smooth-bore, cast-iron, 32-pounder guns (Congreve's), weighing 40 cwt. each, which have been purchased by the Blakely Ordnance Company:—Nos. 66, 67, 91, 160, 167, 194, 198, 202, 210, 211, 214, 268, 290, 292, 297, 300, 358, 363, 3,010, 83,755, 83,769, 83,774, 83,776, 83,797, 83,812, 83,814, 83,816, 83,821, 83,825, 83,832, 83,844, 83,877, 83,881, 83,899, 83,938, 83,943, 83,947, 83,983, 83,995, 84,019.

Cost of assistance rendered to Mr. Glaisher, in his experiments with Mr. Coxwell's balloon, including fixing spars for the purpose of supporting the balloon previously to its being filled with gas, and making the necessary preparations for filling it, including the expense of three men watching the balloon on the night of December 30th, 1863, and making every preparation for an ascent, but, owing to the unfavourable state of the weather, the ascent was postponed; making preparation again, on January 12th 1864, for inflating the balloon, rendering assistance while being filled with gas, and taking down the spars and gearing after the ascent, and removing all tackling, &c., which had been used in connection with the balloon.

Repairing five 110-pounder Armstrong guns and fitting them with new breech rings and saddles, including forging, turning, screwing, and fitting the iron breech-rings; fitting the sights and fitting up the saddles and screws complete; browning guns, levers, and tappets; finishing insides of guns after browning; making necessary gauges and tools for the performance of this service; drilling saddle and sight holes in the guns; adjusting the sights; making complete ten tangent bars, ten trunnion sights, and five indicator rings, and fitting the same; fitting in the breech rings and finishing the whole complete.

763	19 Dec. 1863 (51—Woolwich—4991) -	Preparing an apparatus for securing the blocks and chains of the lifting tackle of sheer legs, including making pattern, moulding, casting, trimming, and drilling one cast-iron bracket with projecting flange at base, and fixing the same on the edge of the wharf; also one cast-iron plate let into the wharf wall to secure the foot of bracket; forging, turning, and screwing eight wrought-iron bolts and nuts for securing bracket to wall and foot-plate; forging, turning, and fitting to bracket four large wrought-iron hooks with cotfers complete (the blocks and chains when not in use are attached to these hooks); also preparing two elm planks with twelve wrought-iron spikes fixed in them with points projecting outwards, and fixing the same on the side of wharf as a protection to the tackle gear by preventing vessels coming close to wharf; forging, turning, and screwing five bolts with nuts complete for securing the planks.	21	4	1	6	3	5	13	1	7	40	9	1
764	1 & 17 Dec. 1863 (73—3—4638 & 4654)	Tempering in oil the breech screws of the under-mentioned sealed pattern guns; namely, one 6-pounder Armstrong gun, one 9-pounder, one 12-pounder, one 20-pounder, and the steel face of one 110-pounder; also removing the grip from the muzzle of the above-named sealed-pattern guns and from all the Armstrong guns in the Department up to March 31st, 1864; also moulding, casting, trimming, turning, and lapping to size twelve cast-iron cylinder gauges for gauging the bores of the different natures of Armstrong guns.	18	12	4	-	12	7½	11	9	8	30	14	7½
766	15 Dec. 1863 (Min. 10,602)	Trying various means to extract the tube, which had become jammed, from a 68-pounder gun lined on Captain Palliser's plan, including heating iron bars and placing them around the gun to expand it; drilling holes in the tube to receive a bolt by which to force it out; sinking the gun in a pit, melting metal and pouring round it, hoping to cause the outer part to expand, and thus, freeing the inner tube, enable it to be withdrawn; none of these experiments were, however, successful.	9	4	5	-	-	-	5	13	9	14	18	2
767	22 Jan. 1863 (57—23—5741)	Forging 40 wrought-iron furnace bars for the War Department Steamer "Lord Panmure," 32 of these were manufactured from iron supplied by the Military Store Department, and the other eight from material furnished by the Royal Gun Factories Department.	3	18	1½	1	6	-	2	8	2½	7	12	3½
768	17 Feb. 1862 (61—Carriage Department—974).	Manufacturing a new wrought-iron double armed lifting-hook for the travelling crane at the proof butt, including forging, turning and fitting the new hook to the crane, and taking off the old one; also manufacturing a new cast-iron travelling wheel for the above crane, to replace a broken one, including moulding, casting, turning, boring, facing and fitting the same on to the shaft of crane.	3	18	9	1	3	-½	2	8	7	7	10	4½
769	9 Nov. 1859 (57—23—413—2838—421—10—3860).	Re-venting a 68-pounder brass gun (Experimental No. 202), including taking out the old vents or plugs, moulding and casting gun-metal bars to make six new ones, each 4½ inches long and one inch diameter, to replace the old ones; turning and screwing the plugs, and squaring the heads of the same, fitting the whole to the gun, and drilling one through to act as a vent. These plugs are made removable in order that the one which is drilled for a vent may be inserted in each place as required, to enable the Ordnance Select Committee to ascertain the best position for the vent of smooth-bored ordnance.	1	18	8½	-	11	3	1	3	10½	3	13	10
770	9 Nov. 1859 (57—23—413—D. No. W.—3873).	Engraving vernier and scale on sliding part of callipers, for measuring bores of guns, and sizes of projectiles, including engraving the bar, so as to take inside and outside measurements to hundredths, and engraving "Ordnance Select Committee" on the side of callipers.	1	5	3	-	-	-	-	15	7	2	-	10

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E.)—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
772	13 Aug. 1859 (O. S. C. 85—General, No. 126—20,618).	Cleaning out the vent and bore of an ancient wrought-iron breech piece, belonging to a breech-loading gun, for the Ordnance Select Committee.	-	2 -	-	-	-	1 2½	-	3 2½
773	13 Feb. 1861 (57—Woolwich—3156)	Completing one set of 12-pounder facing implements, including rounding corners, stamping angle facing blocks, guides, and levers, re-gauging, rectifying all the cutters and finishing off complete.	5	5 5	-	-	3	5 -½	8	10 5½
774	23 Dec. 1863 (51—2—8407. W. 3918)	Repairing six brass saluting chambers for the Elder Brethren of the Trinity House, including making the necessary alterations to plant, to execute this service; manufacturing a new steel boring bit, including forging, turning, fitting and tempering the same; manufacturing six copper vents, including cutting lengths from bar, turning, drilling, and screwing the same, re-boring and re-venting the chambers, turning the outside, and weighing and stamping the weight on each.	6	19 11½	-	8 8	4	6 4	11	14 11½
775	22 Jan. 1863 (57—22—5741)	Manufacturing eight "tubing" mandrils, composed of wrought iron and steel, for use on board the War Department steam vessels "Lord Panmure" and "Balaklava," including forging, turning, and bevelling the ends of four to the following dimensions, namely, 5½ inches each in length, and 2¼ inches diameter at the small end; two, each 1 ft. 4 ins. long, and two inches diameter at the largest end, the remaining two being 5 inches in length, and 2 inches diameter.	2	10 2	-	19 3½	1	10 11½	5	- 4½
776	11 Jan. 1864 (Devonport—1689)	Manufacturing two steel-taps for use in sighting smooth bore guns, with 13 threads to the inch, and ⅜" taper; including forging, turning, slotting, cutting thread, tempering and finishing complete.	-	0 8½	-	- 2½	-	4 1½	-	11 -½
777	13 Feb. 1861 (57—Woolwich—3156)	Repairing and renovating 24 marking irons for the Military Store Department; including re-cutting the broad arrow on the same, and altering the date stamped on them, by substituting 1864 in place of 1863.	1	1 8	-	-	-	13 4½	1	15 -½
778	13 Feb. 1861 (57—Woolwich—3156—5 Mar. 1864 } 73—3—5078.)	Repairing 40-pounder Armstrong gun (No. 250) manufactured by the Elswick Ordnance Company; including turning off in lathe the defective portion of the muzzle of the A tube, and refitting breech tangent sights.	-	19 11½	-	-	-	12 4	1	12 3½
779	24 June 1859 (61—Gun Factory—462)	Re-coppering five 40-pounder vent pieces for use in proving guns supplied by the Elswick Ordnance Company; including taking off old coppers, cutting, drilling, and turning new ones, and fitting them on to the vent pieces.	-	13 2½	-	14 -	-	8 1½	1	15 4½
780	21 Jan. 1864 (51—3—2517)	Manufacturing six gun metal arms or stands to be used for setting up chaco-blocks to the required size; including moulding, casting, trimming, filing, drilling, screwing, and slotting the gun metal arms; forging, turning, and screwing six wrought-iron screws, and shifting handles to the same; fitting the wrought-iron screws into the gun-metal arms, and finishing the whole off complete.	1	16 -	2	2 -	1	2 2½	5	- 2½

23 Jan. 1864 (7350-9794. W. 4153
G. 27--116.)

Manufacturing 700 white metal tickets for the Tower of London; including casting the metal in block, rolling out in sheets, cutting out with a stamp, so constructed as to pierce a hole near the edge, and impress a line across the face of each ticket, and finishing off and polishing complete in the lathe.

9 Nov. 1859 (57-23-413)

Manufacturing a shot and shell bearer for 110-pounder projectiles, on Captain Alderson's plan, and intended as a pattern for sealing; including forging, filing, and fitting a flat wrought-iron bar, 12 inches long and 9½ inches wide, bending and riveting to the same a small iron plate; forging and filing a wrought-iron ring with handle at the top, and fixing the same to one end of shot bearer; forging, fitting, and fixing two wrought-iron side handles; fitting and stitching leather round the handle, and finishing the whole complete.

15 Jan. 1864 (73-3-4744)

Manufacturing two toughened steel 110-pounder vent pieces up to proof; including rough turning, planing sides, turning back and front, slotting, milling, fitting sides to gauge; filing, turning, boring, screwing the neck, and filing with copper, and finishing off complete and ready for proof.

25 Nov. 1863 (61-Gun Factory-1294)

Manufacturing a gun of special construction for proving 110-pounder vent pieces; including turning steel tube and tempering it in oil, centreing and straightening the same after tempering; drawing ends, scarfing, coiling and welding two C coils and uniting them to form a C tube in place of defective one; turning the gun to receive B, C and E coils, and shrinking the same on the gun complete; finish turning gun, boring breech and cutting thread for breech screw, drilling vent and water holes, and slotting vent hole; finish boring the gun, lapping, chambering, and rifling it; manufacturing a breech screw of Cammel's steel; including turning, cutting thread, vicing and shaping octagon, boring, fitting and finishing the whole complete.

25 Jan. 1864 (80-A-1661)

Preparing drawings of Armstrong guns and colouring the same for Captain Jervis, Royal Artillery, Royal Military Academy.

20 April 1863 (61-Portsmouth Factory
-23).

Manufacturing castings and forgings for steam saw frame and planing machine at Ordnance Factory, Portsmouth, consisting of four cast-iron girders, four distance pieces, twelve 3" wrought-iron bolts and nuts, four lengths of 14" square timber beams for foundation of saw frame; driving pulleys, brackets, counter-shafting, &c., and including the preparation of drawings and patterns, moulding, casting, trimming and fitting the four cast-iron girders, and distance pieces; forging, turning and screwing twelve 3" bolts and nuts for the girders; cutting four lengths of timber for beams 14" square fir scantling 99 feet run; moulding, casting, trimming, turning, boring, facing boss, and fitting 12 driving pulleys and brackets for supporting the counter-shafting; forging, turning and fitting counter-shafting, also eight keys and pins for driving pulleys and couplings; moulding, casting, trimming, turning and fitting couplings and cutting keyways in the same, and fitting the whole complete.

20 April 1863 (61-Portsmouth Factory
-23).

Manufacturing six 5-inch east-iron steam pipes, three elbow and three straight pieces, weighing 16 cwt. 3 qrs. for Portsmouth Factory; including making patterns, moulding, casting, turning and facing the flanges of each end, drilling for connecting bolts; forging and fitting one wrought iron hanger; forging, turning and screwing two bolts for the same, and fitting a five-inch brass stop valve to the pipes.

1	9	2	-	10	6½	-	18	-	2	17	8½
-	15	10½	-	5	4½	9	9½	1	10	7½	
5	12	11	10	9	3½	3	9	8	19	11	10½
119	7	-½	718	14	-½	73	12	6¾	911	13	8
-	12	3	-	8	6	-	7	6¾	1	8	2¾
126	5	-½	342	11	1	77	17	8	446	13	9½
31	11	4½	10	12	9½	19	9	5½	61	13	7½

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (E).—MISCELLANEOUS SERVICES—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Labour.		Material.		General Expenses.		Total Cost.	
			£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
790	20 April 1863 (61—Portsmouth Factory—23).	Repairing bullet-making machine for Portsmouth Arsenal, including making and fitting the same with new pauls, ratchet wheels, nippers, dies, and punches, and bolts, springs, and film-plates; also making drawings and patterns, moulding, casting, trimming, boring, turning, and cutting new ratchet wheels, and fitting the same to machine; forging and fitting new pauls, and forging, turning, and screwing bolts and nuts; filing and fitting slides, forging and turning four wrought-iron studs, with nuts and washers for ratchet motion; forging, turning, and fitting new spindle for lead-winding apparatus; also moulding, casting, trimming, boring, turning, and fitting brass bushes for bearings of the same, and fitting new teeth to winders; forging and fitting new cast-steel film-plates, new steel pins for frame, and new springs; moulding, casting, trimming, boring, and turning, and bushing one cast-iron lever, and fitting the same to machine; forging, boring, and turning one new cam, and repairing others; forging, turning, and fitting steel die for cutting off lead; making four new lubricators for punches, and fitting new pins and washers to all joints; forging and fitting new ends to nippers; casting, trimming, turning, boring, and fitting brass bushes to rollers, and fitting new brass washers to bases of dies; forging, turning, screwing, and fitting bolts and nuts required to complete the machine; forging and fitting up 18 wrought spanners of various sizes to suit the machine; also putting all the punches and dies in thorough repair, and the machine in good working order.	43	9 6	1	10 3	26	16 4½	71	16 1½
791	1 June 1863 (Woolwich—20581)	Cost of time occupied by draughtsmen in giving instruction to a class of military store officers, who are attending the Royal Gun Factories Department for that purpose.	8	7 7	-	- 4½	5	3 4½	13	11 3½
792	13 August 1859 (85—G. No. 126)	Altering a ballistic pendulum case for the Ordnance Select Committee, including fixing four corner pieces of mahogany to each top corner of the case, with hooks attached, so that the case might be lifted off, when required, by using a small tackle; also fitting and fixing two sheets of plate-glass to the case, to replace a large one which had accidentally been broken.	2	12 3	-	19 1	1	12 2½	5	3 6½
793	9 Nov. 1859 (57—23—413)	Manufacturing three 110-pounder vent-pieces of Firth's steel, with one length of copper bouch instead of several lengths, including rough and finish, turning sides and back, front, neck, and ends, slotting and planing sides and bottom, milling the root of neck, fitting sides to gauge, finish turning, boring, and screwing neck and filling with copper, and fitting the vent-pieces ready for proof; also forging cross-heads and shackles, turning, boring, and screwing the same, drilling holes, and finish fitting; fixing the cross-heads on the vent-pieces, and riveting the same; turning, screwing, and squaring heads of bouch coppers, and fitting the whole complete and ready for issue.	5	13 10½	19	17 8	3	10 3	29	1 9½

794	14 Nov. 1863 (York 5-40-6, No. 3467).	Manufacturing a cast-iron pulley, two feet in diameter, for the fan of portable cupola, at Paul's Point Battery, according to pattern furnished by the Military Store Department, including moulding, casting, trimming, turning, boring, and facing the same.	- 15 4½	- 3 3½	- 9 5½	1 8 1½
795	5 Feb. 1864 (57-Simon's Town-84).	Manufacturing a cast-iron end bracket, 2 ft. 3 in. long and one foot high, for the frame of a shot-cleaning machine, for Simon's Town, Cape of Good Hope, to carry the axle or spindle of the grinding cylinder through which the shot are passed, after being cleaned; including moulding, casting, trimming, turning, and drilling the bracket, and fitting the same to frame; moulding, casting, trimming, turning, and fitting one gun metal bearing with hinged cap to the same; forging, turning, and fitting three wrought-iron eye bolts, and two studs, and fitting two small chains, one foot each in length, to machine.	1 11 6	- 8 4	- 19 5½	2 19 3½
796	4 June 1863 (G.-27-132. Woolwich-2025).	Cost of material supplied to the officers of the Military Store Department, now under instruction in the Royal Gun Factories Department, for the preparation of seven sets of tracings of guns.	-	5 5 -	-	5 5 -
799	16 Dec. 1862 (73-3-3260) -	Preparing drawings of the under-mentioned cast-iron ordnance, to be used as guides to contractors for future supplies:— 68-pounder - - - - weighing 95 cwt. 32-pounder - - - - " 58 " 32-pounder - - - - " 25 " 32-pounder - - - - marked A. B. C. 8-inch - - - - weighing 65 cwt. 8-inch - - - - " 52 " 10-inch howitzers. 8-inch howitzers.	14 12 3	3 2 6	9 - 5½	26 15 2½
801	- - - - -	Preparation of plant, Royal Gun Factory, including making patterns, moulding and casting various articles required for the erection of the 12-ton steam-hammer, removing the same from the Dial Square to the Old Forge; making wood levelling rule for levelling the foundation, lifting and removing the large anvil block, girders, &c.; preparing apparatus for lifting heavy weights, digging out the foundation, laying wooden beams and planks, fitting the same and bolting together, and preparing girders, &c. for the foundation.	382 8 9½	1,367 18 8½	235 18 6½	1,986 6 -½
802	- - - - -	Levelling the steam-boilers at the gas works, Royal Arsenal, Woolwich -	4 9 6	-	2 15 2½	7 4 8½
TOTAL - - - £.			8,030 7 -½	17,319 4 1½	4,934 -	430,283 11 6½

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—continued.

STATEMENT (F).—MANUFACTURE OF FITTINGS AND SPARE ARTICLES FOR SMOOTH BORE ORDNANCE, Orders 805 to 909.

		£.		s.		d.	
Labour -		-	-	-	-	4,971	17 7½
Material -		-	-	-	-	1,469	14 6½
Proportionate share of other expenses		-	-	-	-	3,067	2 9
Total -		-	-	-	-	9,508	14 11½

Number of Order.	AUTHORITY.	DESCRIPTION.	Number Made.	Labour.	Material.	General Expenses.	Total Cost.
805	Estimates, 1863-4	Manufacturing boards, pendulum, for store, to meet demands -	6	£. s. d. 1 5 6	£. s. d. - 6 4½	£. s. d. - 15 8½	£. s. d. 2 7 7½
808	"	Manufacturing cast-iron buttons, for caseables, for store, to meet demands.	50	- 5 7½	- 6 7	- 3 6½	- 15 8½
816	"	Manufacturing covers, metal, for hammers and sights, in sets, for store, to meet demands.	737	142 11 3	435 8 9½	87 18 10½	665 18 11½
817	"	Manufacturing crutches, iron, with screws, for store, to meet demands.	2,627	435 16 9	12 7 -½	268 17 4½	717 1 1½
823	"	Manufacturing various natures of drills for vents, for store, to meet demands.	46	4 17 5	- 5 10½	3 10 1	8 3 4½
824	"	Fitting ordnance for service :					
		Iron ordnance, vented at various stations -	119				
		Sighted and fitted, complete, for each service, iron, S. S. -	460				
		Ditto - - - ditto - - - ditto " L. S. -	733				
		Ditto - - - ditto - - - ditto brass, S. S. -	24				
		Ditto - - - ditto - - - ditto " L. S. -	40				
		Iron ordnance, repaired -	353	2,208 17 7½	126 18 10½	1,362 13 2	3,698 9 8
		Brass " "	166				
		Muzzle humps fitted to brass guns -	195				
		Iron ordnance, vented -	468				
		Brass " "	53				
826	"	Manufacturing various natures of gauges for hot shot, for store, to meet demands :					
		32-pounder -	1	3 15 6½	- 10 10½	9 6 7½	6 13 -½
		68-pounder -	1				

Year	Estimate	Particulars	Quantity	Unit	Value	Remarks
1863	4	Manufacturing various natures of gauges for vents, for store, to meet demands:				
		4 to a set	16	9 10	- 8 6½	27 1 10
		9 to a set			15 15 3	15 15 3
1864	5	Gutta percha supplied on this order to Royal Ordnance Factories, Portsmouth.				
		Manufacturing various natures of hammers, percussion, for store, to meet demands.				
		Manufacturing instruments for extracting shells, for store, to meet demands.				
		Manufacturing instruments for taking impressions in gutta percha, for store, to meet demands.				
1865	6	Manufacturing various natures of irons, priming, for store, to meet demands:				
		Sea service	1,294			
		Garrison	10			
		Field service	116			
1866	7	Manufacturing various natures of knives for scrapers, for store, to meet demands.				
		Manufacturing lamps, tin, with rods, for store, to meet demands				
		Manufacturing a machine for sighting smooth bore guns				
		Manufacturing plugs, vent, india-rubber, for store, to meet demands.				
		Manufacturing prickler, common, with stave				
		Manufacturing punches, vent, for store, to meet demands				
1867	8	Repairing various descriptions of small stores:				
		Cases for spirit levels				
		Quadrants, brass, engraving				
		Levels, spirit, brass, repaired				
1868	9	Manufacturing scales, tangent, wood, for store, to meet demands.				
		Manufacturing scrapers, vent, for store, to meet demands				
		Manufacturing scrapers, half-round, with springs				
		Manufacturing screws, preserving, for store, to meet demands				
1869	10	Manufacturing various natures of searchers, spring, for store, to meet demands:				
		Searchers, 8 prong				
		" 6 "				
		" 4 "				
1870	11	Sights, hexagon, stamping and engraving, for store, to meet demands.				

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—Statement (F.)—Manufacture of Fittings and Spare Articles for Smooth Bore Ordnance, &c.—continued.

Number of Order.	AUTHORITY.	DESCRIPTION.	Number Made.	Labour.		Material.		General Expenses.		Total Cost.	
				£.	s. d.	£.	s. d.	£.	s. d.	£.	s. d.
		Manufacturing various natures of sights, Millar's, for store, to meet demands:									
879	Estimates, 1863-4	Hind - - - - -	396	83	9 3½	16	1 10	51	9 9½	151	- 10½
880	"	Fore - - - - -	154								
882	"	Manufacturing slides, long wood hexagon, for store, to meet demands.	86	6	19 4	10	5 9	4	5 11½	21	11 -½
883	"	Manufacturing various natures of spikes (spring) for store, to meet demands.	1,182	27	5 6½	4	11 8½	16	16 5½	48	13 8½
888	"	Manufacturing various descriptions of tools in sets, for venting guns, for store, to meet demands.	7	609	9 6	167	11 11½	375	19 8½	1,153	1 1½
891	"	Manufacturing taps and dies, in sets, for store, to meet demands	2	-	7 8	-	- 2½	-	4 8½	-	12 7½
892	"	Manufacturing various natures of vents, copper, for store, to meet demands.	2,208	141	18 7½	251	16 4½	87	11 2	481	6 2½
893	"	Making tools for manufacturing punches and dies for washers, iron, for pins and flies.	-	-	11 4	-	nil	-	7 -	-	18 4
903	24 June 1863 (57—29—510)	Manufacturing two sets of plates for instruments for taking the impression of bores of guns, for the Principal Superintendent of Stores, including cutting out plates from sheet-iron; shaping, bending, drilling, turning, screwing, and fitting on instruments two sets, or 12 plates of the following widths, 6", 6½", 7½", 8½", 10", and 13"; forging, turning, and screwing 48 8" screws.	-	4	13 3½	1	3 10½	2	17 6½	8	14 8½
904	Estimates, 1863-4	Painting various natures of smooth-bore gun-fittings, &c.	-	215	15 5½	7	8 6½	133	2 2½	356	6 2½
905	"	Manufacturing tools for sighting guns - - - - -	sets, 2	84	1 10½	17	- 8	51	17 6½	153	- -½
907	"	Manufacturing washers, iron, for store, to meet demands -	No. 1200	1	5 6	-	4 2	-	15 8½	2	5 4½
908	31 March 1863 (G. 14—436. 57—3—476).	Manufacturing 3,000 feet of cast-iron skidding for guns, for various stations, in 300 lengths of 10 ft. each, and of the gross weight of 79 tons, 14 cwt. 0 qr. 10 lbs.; including making two wooden patterns, forging, turning, screwing, and fitting eight wrought-iron bolts and nuts, and forging and fitting one wrought-iron spindle for the patterns.	-	197	7 3½	319	13 9	121	15 1	638	16 1½
TOTAL - - - £.				4,971	17 7½	1,469	14 6½	3,067	2 9	9,508	14 11½

STATEMENT (G.)—GENERAL SUMMARY of WORK performed for BALANCE SHEET in the ROYAL GUN FACTORIES, during the Year 1863-4.

Number of Order.	DESCRIPTION.	Labour.			Material.			Proportionate Share of other Expenses.			TOTAL.			—
		£.	s.	d.	£.	s.	d.	£.	s.	d.	£.	s.	d.	
From 2 to 13.	Completing and repairing various Armstrong guns remaining un-proved, made in 1862-3; this expense consequent on their repair, after proof	936	17	4	973	19	1½	577	19	-	2,488	15	5½	per Statement (B.)
	Manufacturing 85 Armstrong guns, of various natures, complete, with vent pieces, breech screws, Lever's tappets, keep-pins, &c. &c.	2,786	1	10½	3,338	2	2¾	1,718	13	10	7,842	17	11½	per Statement (C.)
From 16 to 342.	Manufacturing for store all natures of spare fittings for Armstrong guns, to enable the Principal Superintendent of Stores to keep a supply to meet demands, consisting of 1,771 vent pieces, 2,225 bouches, 3,774 copper rings, 174 levers, 400 tappets, 286 breech screws, 1,332 pins keep, 156 iron breech rings, 1,649 breech bush coppers, 75 indicator rings, 601 breech plugs, 370 trunnion sight plugs, 357 breech tangent sights, 304 trunnion sights, 100 wood tangent bars, one wood tangent scale, 38 ratchet sights, 22 wood sights, 15 dispart sights, 593 elevating eyes, 604 percussion hammers, 1,500 preserving screws, 95 drift screws, 1,407 crutches and sorews, 202 wood scotclmen, 197 sets of facing implements, 300 sets of special tools, 19 sighting instruments, 21 hand-rifling machines, 549 extractors for tin cups, 402 wrought-iron levers for releasing vent pieces, 12 wood staves, 109 pairs of tongs for lifting shot and shell, 160 leather collars for sorews of 12-pounder guns, 1,000 toggles and lanyards, packing various natures of vent pieces, special tools, facing implements, small stores, &c. &c.	18,216	8	3½	7,623	9	5	11,237	12	11½	37,077	10	7¾	per Statement (D.)
	Sighting, browning, and finishing various natures of Armstrong guns, including browning levers, tappets, breech screws, &c. &c., together with the preparation of all the necessary gauges, tools, &c., exclusive of the manufacture of sights, altering, repairing, and completing bouching machine for 110-pounder guns, &c. &c.	8,030	7	-½	17,319	4	1½	4,934	-	4½	30,283	11	6½	per Statement (E.)
From 401 to 802.	Services authorised to be performed, but which were not provided for in the Annual Estimates of the Department, including repairs to War Department, steam vessels, and hydraulic machinery of the Military Store Department, all extra services in connection with the experiments for the Ordnance Select Committee, services for the Inspector of Works Department; also for the Royal Laboratory, Royal Carriage Department, Chemical, and Inspector of Artillery Department; making chaco-blocks and other services for Clothing Establishment, Public; services for Clothing Establishment, Woolwich; services for the Gunpowder Manufactory, Waltham Abbey; services for Royal Arsenal, Portsmouth; services for Aldershot; examination and repair of field batteries; services for the Tower of London; all work in connection with the experimental guns of Captain Palliser, Commander Scott, R. N., Messrs. Whitworth, Lancaster, Westley Richards, Jeffries, Knapp, Lynam Thomas, Bergers, Broadwell, and Naylor Vickers, and artificers travelling to various stations to execute repairs, examine ordnance, and attending experiments at Shoeburyness and Shorncliffe, &c. &c.	4,971	17	7½	1,469	14	6¼	3,067	2	9	9,508	14	11½	per Statement (F.)
	Manufacturing spare fittings for smooth-bore guns for store, to enable the Principal Superintendent of Stores to meet demands, including sighting, venting, and painting all smooth bore guns issued during the year	34,941	12	2	30,724	9	5½	21,535	8	10¾	87,201	10	6½	
	TOTAL													

F. A. Campbell, Colonel, R. A.,
Superintendent.

No. 2.—ROYAL GUN FACTORIES, WOOLWICH ARSENAL—*continued.*

STATEMENT (H).—CAPITAL ACCOUNT for ROYAL GUN FACTORIES, 1863-4.

<i>Dr.</i>			<i>Cr.</i>		
	£.	s. d.		£.	s. d.
To Balance:					
For Net Amount of Capital to 31st March 1863:			By Productions, 1863-4:		
			For one Year's Depreciation on Plant, &c., viz. :—		
Buildings - - -	66,064	15 5	5 per cent. on Buildings (66,064 <i>l.</i> 15 <i>s.</i> 5 <i>d.</i> , per contra) -	3,303	4 9
Machinery - - -	147,005	6 9	10 per cent. on Machinery (147,005 <i>l.</i> 6 <i>s.</i> 9 <i>d.</i> , per contra)	14,700	10 8
		213,070 2 2			18,003 15 5
To Army Supplies, 1863-4—For Amount expended during 1863-4:			By Amount transferred to Portsmouth - - -	169	- -
Buildings - - -	1,893	15 11½	By Balance for Net Amount of Capital on 31st March 1864 :—		
Machinery - - -	8,959	2 -	Buildings - - -	64,655	6 7½
		8,852 17 11½	Machinery - - -	139,094	18 1
					203,919 4 8½
	£.	221,923 - 1½		£.	221,923 - 1½

F. A. Campbell, Colonel, R.A.,
Superintendent.

No. 3.—ROYAL LABORATORY, WOOLWICH ARSENAL—*continued.*

STATEMENT (B.)—MISCELLANEOUS SERVICES performed in the ROYAL LABORATORY DEPARTMENT during the Year 1863-4.

NATURE OF SERVICE.	AMOUNT.		
	£.	s.	d.
Articles supplied to Chemical Department - - - - -	50	18	11
Making Paper Stencils - - - - -	4	8	11½
Tools, &c. for Fort Cumberland - - - - -	109	18	11½
Diagrams for School of Gunnery, Shoeburyness - - - - -	123	17	9½
Man attending Proof of Ordnance - - - - -	31	18	5
Printing, &c. Captain Fraser's Notes on Matériel - - - - -	19	16	-¼
Patterns for Pattern Room - - - - -	972	13	10½
Experimental Work on Whitworth's Shells, Fuzes and Lubricators - - - - -	1,027	6	11½
Spouting and Trestles for Shot and Shell - - - - -	241	6	-
Work performed for Royal Engineer Department - - - - -	46	8	11½
Work performed for the Gosport and Portsmouth Laboratories - - - - -	160	15	2½
Work performed for Devonport Royal Laboratory - - - - -	527	9	9½
Holders for Rifle Rest for Inspector of Stores, Halifax - - - - -	26	10	5½
Making Mitford's Percussion Bullet Cartridges - - - - -	186	19	7½
Brass Powder Cases for 300-pounder Guns - - - - -	14	17	6¾
Work performed for Inspector of Artillery - - - - -	7	7	3¾
Work performed for Works Department - - - - -	11	16	6½
Making Type for printing Cartridges for various Stations - - - - -	14	16	-¾
Work performed for the National Rifle Association - - - - -	2	10	2
Printing for other Departments - - - - -	111	5	11
Bookbinding for other Departments - - - - -	23	4	11¾
Painting Shot and Shell for Military Store Department - - - - -	1,590	18	5½
Examining and proving Stores after Manufacture - - - - -	9,486	17	8¾
Examining and breaking up returned Stores for Military Store Department - - - - -	3,528	12	-
Military Instruction - - - - -	464	11	9¾
Filling Shells with Powder for the Military Store Department - - - - -	742	14	8
Departmental Experiments on Articles of a special nature - - - - -	1,999	8	4¾
Experiments for Board of Trade - - - - -	78	14	8¾
Work performed for Special Powder Committee - - - - -	478	15	1½
Repair of Stores for Military Store Department - - - - -	11,543	7	3¾
Expenditure on Experimental and special Material for O. S. Committee - - - - -	6,153	19	7½
TOTAL - - - - -	£.	39,734	8 3

(signed) *E. M. Boxer,*
Superintendent, Royal Laboratory.

No. 3.—ROYAL LABORATORY, WOOLWICH ARSENAL—*continued.*

(C.)—STATEMENT of MANUFACTURED ARTICLES delivered by this Department to the Principal Superintendent of Stores, Royal Arsenal, between 1st April 1863 and 31st March 1864, exclusive of Raw Materials and Unserviceable Articles.

DESCRIPTION OF ARTICLES.										Number or Quantity.	VALUE.				
										S.	£.	s.	d.		
Adapters	{	Fuze	-	-	-	-	-	-	-	64,003	1,488	14	8		
		Brass, special	-	-	-	-	-	-	-	22,660	476	6	9		
Bags :															
Canvas, Fuze	{	Black	-	-	-	-	-	-	-	550	}	23	15	9	
		Blue	-	-	-	-	-	-	-	442					
Paper for Calico Burstern	{	No. 1	-	-	-	-	-	-	-	5,151	2	4	8		
		" 2	-	-	-	-	-	-	-	31,108	13	17	5		
		" 3	-	-	-	-	-	-	-	38,901	18	4	8		
		" 4	-	-	-	-	-	-	-	58,006	34	1	7		
		" 5	-	-	-	-	-	-	-	95,006	178	2	9		
		" 6	-	-	-	-	-	-	-	23,707	55	6	4		
		" 7	-	-	-	-	-	-	-	11,308	38	3	4		
		" 9	-	-	-	-	-	-	-	5,960	11	6	-		
Waterproof for -	{	Dean Revolver Cartridges							-	8	-	-	3		
		{	No. 4	-	-	-	-	-	5	-	-	3			
			" 5	-	-	-	-	-	5	-	-	4			
			" 6	-	-	-	-	-	6	-	-	7			
			" 7	-	-	-	-	-	5	-	-	9			
			" 8	-	-	-	-	-	5	-	-	3			
			" 9	-	-	-	-	-	50	-	3	1			
			" 10	-	-	-	-	-	5	-	-	5			
			" 11	-	-	-	-	-	5	-	-	6			
	{	Flannel Cartridges							-	5	-	-	4		
		" 12	-	-	-	-	-	5	-	-	4				
		" 13	-	-	-	-	-	52	-	3	7				
		" 14	-	-	-	-	-	52	-	3	2				
		" 15	-	-	-	-	-	5	-	-	7				
		" 16	-	-	-	-	-	5	-	-	7				
		" 17	-	-	-	-	-	5	-	-	9				
		" 18	-	-	-	-	-	5	-	-	11				
		" 19	-	-	-	-	-	5	-	1	-				
	{	{	No. 1	-	-	-	-	-	7	-	-	2			
			" 2	-	-	-	-	-	7	-	-	2			
			" 3	-	-	-	-	-	52	-	1	4			
			" 4	-	-	-	-	-	7	-	-	4			
	{	No. 11							-	670	3	11	9		
		" 17							-	16,000	122	5	4		
		" 21							-	670	2	10	7		
	{	{	Armstrong's Fuzes							-	101,627	}	259	1	7
			Percussion							-	35,255				
For Iron Cases	{	{	Canvas							-	47	}	13	8	9
			Quarter barrel							-	86				
		{	Flannel							-	34	}	12	12	7
			Quarter barrel							-	86				
Flannel, Blue, to hold 15 primers for Armstrong Guns										-	1	-	-	2	
Balls, Light, Oblong	{	10-inch							-	70	115	10	-		
		8-inch							-	21	25	18	11		
		5½-inch							-	99	48	15	7		
Barrels :															
Budge, Quarter										-	110	41	11	5	
Cartridge	{	Half							-	2,510	522	18	10		
		Quarter							-	35,800	4,028	19	10		
		Eighth							-	150	11	17	1		
Powder, Half										-	12	5	1	4	
Powder, N. P., Round Lid, whole										-	3	2	17	1	
Boots, Mud, pair										-	1	2	-	-	

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.		
				S.	£. s. d.		
Bottoms, Wood, for Shells, common :							
Cedar			8-inch	300	16 18 5		
			32-pounder	200	7 13 10		
Elm, saturated with	Salts of	Corrosive sublimate	8-inch	300	5 4 2		
			32-pounder	200	2 8 11		
		Copper	8-inch	300	5 4 2		
			32-pounder	200	2 8 11		
		Lead	8-inch	300	5 4 2		
			32-pounder	200	2 8 11		
		Carbolic acid	8-inch	300	5 4 2		
			32-pounder	200	2 8 11		
Jarrah			8-inch	300	48 6 6		
			32-pounder	200	24 3 6		
Bottoms, Wood, Elm :							
For Case Shot	Gun		12-pounder	1	- - 2		
			9-pounder	1	- - 1		
			6-pounder	1	- - 1		
			3-pounder	1	- - 1		
	Howitzer	L. S.	32-pounder	1	- - 3		
			24-pounder	1	- - 2		
			12-pounder	1	- - 2		
			5½-inch	1	- - 2		
		S. S.	4½-inch	1	- - 2		
			24-pounder	1	- - 2		
			12-pounder	1	- - 2		
			For Shells (Armstrong), common				30
For Shot and Shell	Common		10-inch	1,257	31 13 9		
			8-inch or 68-pr.	50,963	884 19 2		
			56-pounder	1	- - 4		
			42-pounder	1	- - 4		
			32-pounder	12,121	148 7 3		
			24-pounder	7,037	71 13 9		
			18 pounder	5,002	47 11 5		
			12-pounder	8,402	71 6 8		
			9-pounder	2	- - 4		
			6-pounder	2	- - 3		
			3-pounder	1	- - 1		
	Howitzer		5½-inch	1	- - 3		
			4½-inch	1	- - 2		
			13-inch	151	12 1 7		
			10-inch	1	- - 6		
	Mortar		8-inch	1	- - 4		
			10½-inch	1	- - 6		
			10 inch	970	24 9 -		
			9-inch	1	- - 4		
	Naval		8 inch	1	- - 4		
			56-pounder	1	- - 4		
	For strapping Shot and Shell		42-pounder	1	- - 3		
			32 pounder	1	- - 3		
			24-pounder	1,000	10 3 9		
			12-pounder	1,000	8 9 9		
			9-pounder	1,000	7 12 11		
			6-pounder	1,000	6 2 4		
Bottoms, Wood, Teak :							
For Case Shot			Gun		12-pounder	51	1 1 9
					9-pounder	1	- - 4
					6-pounder	151	1 12 10
					3-pounder	151	- 18 11
			Howitzer	L. S.	32-pounder	1	- - 10
	24-pounder	1			- - 7		
	12-pounder	1			- - 5		
	5½-inch	1			- - 8		
	S. S.	4½-inch		1	- - 5		
		24-pounder		1	- - 8		
		12-pounder		1	- - 5		

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.		
Bottoms, Wood, Teak—continued.				S.	£.	s.	d.
For Shot and Shell - -	Common	-	10-inch - - -	9	-	14	2
			9-inch - - -	1	-	1	3
			8-inch or 68-pounder	301	15	13	2
			56-pounder - - -	1	-	-	11
			42-pounder - - -	1	-	-	10
			32-pounder - - -	8,701	271	19	11
			24-pounder - - -	9,502	245	1	6
			18-pounder - - -	2	-	-	9
			12-pounder - - -	15,002	209	1	10
			9-pounder - - -	2	-	-	6
			6-pounder - - -	2	-	-	5
			3-pounder - - -	1	-	-	2
	Howitzer	-	5½ inch - - -	1	-	-	6
			4½ inch - - -	1	-	-	3
	Mortar - - -	-	13-inch - - -	1	-	1	7
			10-inch - - -	1	-	1	7
			8-inch - - -	201	10	9	1
	Naval - - -	-	10-inch - - -	1,305	102	18	5
			8-inch - - -	5,901	306	19	7
			56-pounder - - -	1	-	-	11
			42-pounder - - -	1	-	-	9
	32-pounder - - -	11,001	343	17	11		
Boxes :							
Tin - - -	Armstrong Fuzes	-	Concussion - - -	25	}	676	18 3
			Time - - -	69,180			
	Bickford's Fuze - - -		- - -	110		9	18 1
	Fuze - - -	-	Black - - -	R. 2	}	-	1 7
			Black - - -	S. 2			
			Blue - - -	R. 3			
Blue - - -			S. 3				
Tube - - -		- - -	541		19	5 3	
Zinc, for Percussion Caps - - -				5,726		155	6 4
Bursting, Iron, empty, for Armstrong Segment Shells - - -							
			20-pounder - - -	61		1	5 2
			9-pounder - - -	1,847		28	17 2
			6-pounder - - -	267		3	1 1
Bursting, Iron, for Armstrong Segment Shells, filled with powder - - -							
			20-pounder - - -	11,300		290	19 6
			12-pounder - - -	50,000		1,205	14 7
			6-pounder - - -	20,150		285	9 2
Caps :							
Percussion	Dean Revolvers - - -		- - -	11,500		1	11 7
	Service - - -	-	Common - - -	101,375	}	9,868	2 9
			Heavy pressure - - -	57,054,675			
			Heavy pressure, made of a thicker material - - -	2,510			
Carcasses :							
Loose - - -	Empty - - -	-	10-inch - - -	11		3	9 1
			10-inch - - -	100		50	3 4
	Fixed - - -	-	8-inch - - -	100		26	12 3
Fixed and riveted to Elm Bottoms - 5½-inch - - -				50		7	13 2
Carcasses, fixed and riveted to Teak Bottoms			8-inch - - -	50		17	2 8
			32-pounder - - -	50		9	6 9
			24-pounder - - -	981		150	5 9
			12-pounder - - -	200	}	65	10 9
			4½-inch - - -	500			

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.					Number or Quantity.	VALUE.		
					S.	£. s. d.		
Cartridges, Empty-Calico Burstern :								
For Shells	-	Waterproof	-	No. 5	- - -	7	- - 11	
				" 6	- - -	7	- 1 -	
				" 7	- - -	52	- 12 2	
				" 8	- - -	7	- 1 10	
				" 9	- - -	52	- 17 2	
				" 10	- - -	7	- 3 -	
				" 11	- - -	7	- 3 7	
				" 12	- - -	52	1 10 6	
				" 13	- - -	7	- 4 10	
				No. 1	- - -	8	- - 2	
				" 2	- - -	8	- - 3	
				" 3	- - -	53	- 1 11	
				" 4	- - -	8	- - 4	
For Rockets, 24-pounder, 8 $\frac{3}{4}$ oz.					170	- 7 2		
For Shells	-	Armstrong	Common	110-pr., 8 lbs.	-	30	- 4 7	
				70-pr., 4 $\frac{3}{4}$ "	-	670	3 8 7	
				40-pr., 2 $\frac{1}{2}$ "	-	120	- 9 4	
				20-pr., 1 "	-	79	- 6 2	
			Segment	110-pr., 3 "	-	81	- 7 8	
				70-pr., 2 $\frac{3}{4}$ "	-	670	3 3 1	
				40-pr., 10 oz.	-	10,020	20 15 5	
				13-inch, 10 $\frac{1}{2}$ lbs.	-	1	- - 2	
		Mortar	10-inch, 5 "	-	1	- - 2		
			10-inch, 6 $\frac{1}{2}$ lbs.	-	18,415	139 5 3		
			8-inch, 2 lbs. 4 oz.	-	52,620	203 18 1		
			56-pr., 2 lbs.	-	20	- 1 7		
		Common	42-pr., 1 lb. 6 oz.	-	20	- 1 7		
			32-pr., 1 " 2 "	-	19,860	76 19 2		
			24-pr., 13 oz.	-	24,020	59 1 -		
			18 pr., 10 "	-	470	1 3 1		
			12-pr., 6 "	-	10,020	24 12 8		
Cartridges :								
Empty Calico Burstern for Shells -	-	Diaphragm	-	8-inch, 60 drs.	-	20,150	37 3 1	
				56-pr., 55 "	-	500	- 18 5	
				42-pr., 50 "	-	500	- 18 5	
				32-pr., 40 "	-	20,210	37 5 3	
				24-pr., 30 "	-	20,200	25 9 3	
				12-pr., 20 "	-	10,000	12 12 1	
				9-pr., 15 "	-	5,150	5 9 6	
				6-pr., 10 "	-	5,000	5 6 3	
		Naval	- - -	9-inch, 4 lbs.	-	1	- - 3	
		Empty Bags, Spare, Powder Calico, waterproof						
		Flannel, Empty	-	No. 14	-	6	- 5 10	
					" 15	-	6	- 4 8
Carronade	32-pr., 2 $\frac{1}{6}$ lbs.			-	22	- 6 9		
	12-pr., 1 "			-	300	2 9 6		
	6-pr., $\frac{10}{8}$ "			-	87	- 10 9		
	13-3-inch, 70 lbs.			-	20	1 11 6		
	13 " 70 "			-	9	- 14 2		
	10-5 "			40 lbs.	-	20	1 2 8	
				35 "	-	100	5 3 10	
				12 lbs.	-	20	- 12 10	
				9 "	-	29	- 16 8	
				8 "	-	5	- 2 9	
	Gun			6 "	-	4	- 2 -	
				10 lbs.	-	511	13 4 3	
				8 "	-	5	- 2 5	
				6 "	-	70	1 10 -	
				5 "	-	50	1 19 8	
				18 lbs.	-	5	- 3 7	
				16 "	-	1,007	32 19 1	
14 "				-	5	- 3 1		
12 "				-	5	- 2 10		
10 "				-	5	- 2 7		
8 "	-			5	- 2 4			
6 "	-			5	- 2 2			
68-pr. -	Corrosive sublimate			-	1,002	32 15 11		
	Crude wood naphtha			-	1,002	32 15 11		

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.		
				S.	£.	s.	d.
Cartridges, Flannel, Empty Guns :							
£6-pounder	-	-	-	14 lbs. - - -	5	-	3 1
				10 " - - -	90	2	9 3
				8 " - - -	5	-	2 5
				14 " - - -	5	-	3 2
42-pounder	-	-	-	12 " - - -	5	-	2 10
				10½ " - - -	539	13	19 2
				10 " - - -	20	-	10 10
				8 " - - -	5	-	2 3
32-pounder	-	-	-	10 " - - -	1,039	22	5 1
				8 " - - -	105	1	19 11
				7½ " - - -	5	-	1 10
				7 " - - -	53	-	19 9
				6 " - - -	25,742	435	4 -
				5 " - - -	5	-	1 7
				4 " - - -	5	-	1 6
				3 " - - -	55	-	14 10
32-pounder, 10 lbs. steeped in	-	-	-	2½ " - - -	5	-	1 3
				2 " - - -	5	-	1 3
				Corrosive Sublimate	1,002	21	9 2
				Crude Wood Naphtha	1,002	21	9 2
24-pounder	-	-	-	8 lbs. - - -	5,593	106	4 2
				6 " - - -	5	-	1 8
				5 " - - -	4,005	63	11 7
				4 " - - -	5	-	1 5
				3 " - - -	5	-	1 4
				2½ " - - -	13,755	175	1 10
				8½ " - - -	10	-	4 -
				6 " - - -	5	-	1 11
18-pounder	-	-	-	4½ " - - -	5	-	1 9
				4 " - - -	10,009	172	2 8
				3 " - - -	5	-	1 7
				2 " - - -	5	-	1 5
12-pounder	-	-	-	6 " - - -	28	-	11 3
				2 " - - -	95	-	17 2
				4 " - - -	5	-	1 6
				3 " - - -	2,605	31	10 1
9-pounder	-	-	-	2½ " - - -	4,205	46	7 9
				4½ " - - -	52	-	19 -
				3½ " - - -	20	-	4 7
				3 " - - -	5	-	1 2
6-pounder	-	-	-	2½ " - - -	572	5	14 9
				2 " - - -	51	-	8 10
				1½ " - - -	5	-	- 10
				2 " - - -	39	-	8 -
6-pounder or 3·4 inch, 1½ lbs.	-	-	-	1½ " - - -	4,405	37	13 5
				1 " - - -	7,535	56	16 6
				4 oz. - - -	5	-	- 5
				4-pounder, 1 lb. 5 ozs.			
3-pounder	-	-	-	12 oz. - - -	100	-	19 11
				10 " - - -	22	-	4 -
				8 " - - -	1,005	6	4 5
1-pounder	-	-	-	12 oz. - - -	1,705	10	- -
				8 " - - -	94	-	10 4
				6 " - - -	5	-	- 5
For Jeffery's Gun	-	-	-	7·1-inch, 16 lbs.	12	-	8 4
				5 inch, 6 " "	21	-	7 1
				25 lbs. - - -	50	2	6 5
9·22-inch	-	-	-	20 " - - -	250	10	5 11
				50 " - - -	41	2	9 5
				25 " - - -	101	4	11 1
9-inch	-	-	-	20 " - - -	1	-	- 10
				12 " - - -	1	-	- 8
				12 " - - -	30	-	17 2
7·1-inch	-	-	-	25 " - - -	21	-	18 6
				20 " - - -	651	24	6 10
				12 " - - -	1	-	- 6
6·4-inch	-	-	-	10 " - - -	30	-	15 6
				2·7-inch	50	-	4 2

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.			
						S.	£.	s.	d.	
Cartridges, Flannel, Empty :										
Whitworth Gun	70-pounder	-	-	12 lbs.	-	101	2	12	2	
	12-pounder	-	-	2 "	-	100	1	2	-	
		-	-	1 $\frac{3}{4}$ "	-	501	5	2	10	
		-	-	1 "	-	800	5	4	-	
	1-pounder	-	-	-	-	20	-	1	9	
Howitzer	10-inch	-	-	7 lbs.	-	5	-	2	7	
	8-inch	-	-	4 "	-	239	5	7	5	
		-	-	3 "	-	13	-	5	-	
		-	-	2 "	-	5	-	1	3	
	32-pounder	-	-	3 "	-	5	-	1	3	
	24-pounder	-	-	2 $\frac{1}{2}$ "	-	117	1	11	8	
		-	-	1 $\frac{1}{2}$ "	-	208	2	2	9	
	5 $\frac{1}{2}$ -inch	-	-	2 "	-	5	-	1	-	
	12-pounder	-	-	2 "	-	5	-	1	2	
		-	-	1 $\frac{1}{4}$ "	-	155	1	11	11	
	4 $\frac{2}{5}$ -inch	-	-	1 "	-	5	-	1	-	
		-	-	8 oz.	-	3,005	16	11	10	
Mortar	13-inch	-	-	4 "	-	5	-	-	5	4
		-	-	16 "	-	5	-	-	4	9
		-	-	9 "	-	5	-	-	3	2
		-	-	4 "	-	7	-	-	3	8
	11-inch	-	-	6 $\frac{1}{2}$ "	-	30	-	18	7	
		-	-	9 $\frac{1}{2}$ "	-	2,905	84	2	6	
	10-inch	-	-	4 "	-	5	-	2	-	
		-	-	2 $\frac{1}{4}$ "	-	1	-	-	3	
		-	-	2 "	-	845	10	5	5	
	8-inch	-	-	1 "	6 oz.	17	-	4	4	
		-	-	1 "	-	55	-	14	2	
		-	-	12 oz.	-	10	-	2	-	
		-	-	10 "	-	10	-	2	-	
	5 $\frac{1}{2}$ -inch	-	-	8 "	-	23	-	3	9	
		-	-	7 "	-	10,183	82	19	-	
		-	-	6 "	-	10	-	1	8	
	4 $\frac{2}{5}$ -inch	-	-	5 "	-	10,025	66	-	-	
Cartridges, Flannel, Empty Armstrong Gun :										
600-pounder	-	-	-	60 lbs.	-	285	19	15	4	
				80 "	-	55	4	15	11	
				70 "	-	5	-	7	10	
				50 "	-	5	-	6	2	
300-pounder	-	-	-	45 "	-	230	13	1	2	
200-pounder	-	-	-	28 "	-	230	11	4	8	
150-pounder	-	-	-	40 "	-	22	1	3	3	
				35 "	-	100	4	17	4	
150-pounder, M. L.	-	-	-	45 "	-	5	-	5	8	
				40 "	-	5	-	5	3	
120-pounder	-	-	-	35 "	-	5	-	4	11	
				25 "	-	3	-	2	5	
110-pounder	-	-	-	27 $\frac{1}{2}$ lbs.	-	300	13	14	11	
				18 $\frac{5}{16}$ "	-	355	11	17	5	
				14 "	-	3,712	144	2	3	
				13 $\frac{5}{16}$ "	-	1	-	-	8	
				12 "	-	28,978	1,066	15	-	
				11 "	-	50	1	16	10	
				10 "	-	3,159	116	5	10	
100-pounder	-	-	-	25 "	-	60	2	8	9	
				20 "	-	80	3	5	-	
				14 $\frac{10}{16}$ "	-	307	10	17	9	
				11 "	-	10	-	7	4	
100-pounder, M. L.	-	-	-	25 "	-	150	6	1	11	
70-pounder	-	-	-	20 "	-	22	-	16	-	
				13 $\frac{5}{16}$ "	-	467	15	-	8	
				10 "	-	344	11	-	2	
				9 "	-	621	19	17	5	

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.					Number or Quantity.	VALUE.
Cartridges, Flannel, Empty Armstrong Gun— <i>continued.</i>					S.	£. s. d.
40-pounder	10 lbs.	-	-	-	278	7 13 10
	6 $\frac{3}{4}$ "	-	-	-	58	1 4 2
	5 "	-	-	-	756	17 12 9
	5 " L. S.	-	-	-	6,061	141 8 5
	5 " S. S.	-	-	-	15,172	354 - 4
20-pounder	3 "	-	-	-	1,406	54 - 10
	3 $\frac{1}{2}$ "	-	-	-	179	2 10 7
	2 $\frac{1}{2}$ "	-	-	-	6,001	113 1 7
12-pounder	1 $\frac{1}{2}$ "	-	-	-	106	1 14 4
	3 "	-	-	-	628	9 16 3
12 or 9-pounder	2 $\frac{1}{2}$ "	-	-	-	243	3 15 11
	2 "	-	-	-	182	2 7 8
	1 $\frac{3}{4}$ "	-	-	-	418	5 4 2
	1 $\frac{1}{2}$ "	-	-	-	8,057	101 14 5
	1 $\frac{1}{8}$ "	-	-	-	31,001	376 10 8
6-pounder	1 "	-	-	-	100,065	1,903 6 5
	1 $\frac{1}{2}$ "	-	-	-	11	- 2 10
	1 "	-	-	-	237	2 8 6
Blue serge for drill	12 oz.	-	-	-	1,501	14 6 5
	110-pounder	-	12 lbs.	-	141	5 3 10
	70 "	-	9 "	-	39	1 5 -
	40 "	-	5 "	-	73	1 14 1
	20 "	-	2 $\frac{1}{2}$ "	-	55	1 - 9
	12 "	-	1 $\frac{1}{2}$ "	-	12	- 3 -
	12 or 9-pounder	-	1 "	-	2	- - 9
	9-pounder	-	1 $\frac{1}{16}$ "	-	42	- 10 2
Filled with powder bags, containing -	6 "	-	12 oz.	-	39	- 7 5
	Of sorts	-	2 lbs.	-	10	- 2 7
		-	12 oz.	-	10	- 2 2
	A. 4	-	15 lbs.	-	3,289	1,664 7 5
		-	10 "	-	4	1 7 -
	E. R.	-	17 "	-	4	2 2 8
		-	16 "	-	2	- 19 6
		-	15 "	-	53	26 16 4
		-	14 "	-	1	- 9 4
		-	11 $\frac{1}{2}$ "	-	1	- 7 9
		-	8 "	-	1	- 5 4
		-	7 "	-	1	- 4 9
	F. G.	-	6 $\frac{1}{4}$ "	-	1	- 4 3
		-	6 "	-	1	- 4 2
		-	5 "	-	1	- 3 6
		-	2 "	-	1	- 1 6
		-	1 "	-	1	- - 10
Cartridges filled with Powder:						
Flannel bags containing		-	15 lbs.	-	3,972	2,009 19 10
	L. G.	-	10 "	-	1	- 6 9
		-	5 "	-	3	- 10 7
		-	4 "	-	1	- 2 7
	M. R.	-	11 "	-	2	- 15 7
		-	3 $\frac{1}{2}$ "	-	3	- 7 6
		-	2 "	-	1	- 1 6
Powder pellets					59	23 16 4
Calico Bursters in Waterproof Bags for Shells:						
Rocket 24-pounder 8 $\frac{3}{4}$ oz.					60	1 4 1
Armstrong	Common	-	100-pounder	8 lbs.	30	7 16 7
		-	70 "	4 $\frac{3}{4}$ "	15	2 6 7
	Segment	-	20 "	1 "	40	1 10 3
		-	100 "	3 "	40	4 1 1
Common		-	8-inch	2 $\frac{1}{4}$ "	40	3 1 5
		-	32-pounder	1 lb. 2 oz.	5	- 4 2
		-	12 "	6 oz.	100	1 12 6
Diaphragm		-	24 "	30 drs.	3,715	21 10 8
		-	18 "	25 "	500	2 11 9
		-	12 "	20 "	1,780	8 2 -
		-	9 "	15 "	25	- 1 11

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.				
Cartridges filled with Powder—continued.									
Calico Bursters—continued.					S.	£.	s. d.		
Rocket	-	-	-	24-pounder, 8¾ oz.	60	1	4	1	
	-	-	-	12 „ 3¼ „	3,804	34	13	9	
	-	-	-	6 „ 1½ „	144	-	8	10	
Armstrong Shells	Common	-	-	110-pounder, 8 lbs.	105	27	7	9	
		-	-	70 „ 4¾ „	200	31	1	4	
		-	-	40 „ 2½ „	75	6	6	10	
		-	-	20 „ 1 „	105	3	19	5	
		-	-	12 „ { 11¼ oz.	200	5	2	11	
	Segment	-	-	9½ „	200	4	10	4	
		-	-	110-pounder, 3 lbs.	40	4	1	1	
		-	-	70 „ B. L.	200	22	3	6	
		-	-	3 lbs. 5 oz.	200	23	7	11	
		-	-	70-pounder, M. L.	200	23	7	11	
-	-	-	3 lbs. 8 oz.	-	-	-	-		
Calico Bursters for Shells.	Common	-	-	10-inch, 6¼ lbs.	20	4	2	6	
		-	-	8 „ 2¼ „	55	4	4	6	
		-	-	32 pounder, 1 lb. 2 oz.	80	3	6	4	
		-	-	24 „ 13 oz.	1,311	38	12	7	
	Diaphragm	-	-	8-inch, 60 drs.	2,355	23	12	-	
		-	-	32-pounder, 40 „	2,020	15	7	10	
		-	-	12 „ 20 „	548	2	9	10	
		-	-	9 „ 15 „	100	-	7	9	
	Whitworth	-	-	6 „ 10 „	500	1	12	2	
		Common	-	-	70-pr., 4 lbs. 8 oz.	200	31	10	5
			-	-	12 „ 8½ oz.	200	4	3	1
		Segment	-	-	70 „ 1¼ „	200	1	-	2
	-		-	12 „ 6 drs.	400	1	2	3	
	Flannel, Gun -	10-inch	-	-	16 lbs.	100	53	16	4
-			-	12 „	385	156	15	6	
-			-	6 „	70	14	16	5	
-			-	20 „	152	100	12	2	
-			-	16 „	189	100	4	-	
-			-	10 „	1,376	466	7	7	
8-inch		-	-	8 „	550	151	-	11	
		-	-	5 „ with coal-dust wads	7,738	1,554	4	11	
		-	-	28 „	400	367	3	4	
		-	-	16 „	2,152	1,147	2	8	
		68 pounder	-	-	16 „ in waterproof bags and paper covers	260	138	10	7
			-	-	12 „	170	68	13	3
42 pounder		-	-	8 „	987	282	-	9	
		-	-	8 „ in waterproof bags and paper covers	40				
		-	-	14 „	20	9	7	8	
		32-pounder	-	-	10 „ with a leader of quick match, 18 feet in length, choked in	2	559	9	9
			-	-	10 „	1,629			
			-	-	10 „ in waterproof bags and paper covers	40			
Cartridges, Flannel, filled with Powder, Gun :									
32-pounder	-	-	-	8 lbs.	220	66	16	-	
	-	-	-	6 „	1,200	251	-	10	
	-	-	-	6 „ in waterproof bags and paper covers	20				
	-	-	-	5 „	996	172	18	3	
	-	-	-	4 „	2,551	360	12	10	
	-	-	-	3 „	240	25	19	6	
24-pounder	-	-	-	2½ „	12	1	2	3	
	-	-	-	5 „	700	120	16	-	
	-	-	-	4 „	200	28	16	3	
18-pounder	-	-	-	3 „	100	11	1	4	
	-	-	-	12 „	12	4	16	4	
12-pounder	-	-	-	4 „	24	3	7	4	
	-	-	-	9 „	12	3	12	5	
9-pounder	-	-	-	2½ „	100	9	-	1	

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.		Number or Quantity.	VALUE.		
		S.	£.	s.	d.
Cartridges, Flannel, filled with Powder, Gun—continued.					
6-pounder	1½ lbs. - - - - -	1,844	111	5	11
	Ditto, in waterproof bags and paper covers - - - - -	82			
	1 lb. - - - - -	1,400			
	10 oz. - - - - -	300	39	11	10
	Ditto, in waterproof bags and paper covers - - - - -	1,100			
	8 oz., in waterproof bags and paper covers - - - - -	919			
	4 oz. - - - - -	720	12	6	10
	Ditto, in waterproof bags and paper covers - - - - -	120			
	3-pounder - - - 12 oz. - - - - -	1,000	31	17	8
	1½-pounder - - - 6 „ - - - - -	500	9	1	9
	9-inch - - - { 33 lbs. - - - - -	12	12	16	5
	{ 32 „ - - - - -	15	15	11	3
7-inch - - -	{ 16 „ - - - - -	100	53	19	-
	{ 25 „ - - - - -	10	6	8	2
3½-inch - - -	{ 2 „ - - - - -	91	6	14	6
	{ 2½ „ - - - - -	30	2	13	9
3·424-inch - -	{ 1½ „ - - - - -	100	4	17	6
	{ 10-inch, 7 lbs. - - - - -	315	77	6	7
Howitzer - - -	{ 8 „ 4 „ - - - - -	310	49	13	-
	{ 24-pounder, 2½ lbs. - - - - -	510	47	12	4
	{ 2 „ - - - - -	379	26	16	9
	{ 12-pounder { 1½ „ in waterproof bags and paper covers - - - - -	201	10	6	-
Mortar - - -	{ 4½-inch, 8 oz. - - - - -	2,000	46	4	8
	{ 8 „ 2 lbs. - - - - -	58	4	8	7
	{ Cohorn, 1 lb., in waterproof bags and paper covers - - - - -	240	9	18	9
	{ 70-pounder, M.L., 10 lbs. - - - - -	1,000	333	11	6
Gun - {	Whitworth - { 12-pounder, 1½ lbs., with lubricators - - - - -	1,250	83	16	-
	{ 1-pounder, 2 oz. 10 drs. - - - - -	106	1	9	9
	300-pounder - { 50 lbs. - - - - -	6	9	14	-
		35 „ - - - - -	4	4	7
		18½ lbs. - - - - -	76	48	1
		14 lbs. - - - - -	920	466	1
	110-pounder - { 14 „ with lubricators - - - - -	10	26	2	3
		13½ lbs. - - - - -	57		
		12 lbs. - - - - -	6,121	2,758	-
		Ditto, in waterproof bags and paper covers - - - - -	100	10	
	Armstrong - { 70 pounder, M.L. { 18 lbs. - - - - -	36	13	11	8
		6 „ - - - - -	60	16	18
		2½ lbs. - - - - -	15	2	13
		10 „ - - - - -	10	6	4
	70-pounder - { 14 „ - - - - -	20	9	15	-
		10 „ - - - - -	830	303	12
		13½ lbs. - - - - -	29	13	11
		12 lbs. - - - - -	20	8	10
	40-pounder - { 10 „ - - - - -	35	12	16	1
		9 „ - - - - -	860	287	16
		10 „ - - - - -	20	7	2
		6½ „ - - - - -	399	97	18
	Ditto - in waterproof bags and paper covers - - - - -	5 „ L.S. - - - - -	1,125	224	19
		5 „ S.S. - - - - -	9,056		
		5 „ - - - - -	109	2,084	14
		5 lbs. - - - - -	616	123	3
	5 „ S.S., with powder compressed and perforated, and with cork wads - - - - -	20	5	10	7
		3 lbs. - - - - -	400	46	4
		L.S., { 2½ lbs. - - - - -	50	6	14
		with lu- { 1½ „ - - - - -	40	3	16
	{ bricators. } - - - - -				

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.		Number or Quantity.	VALUE.			
		S.	£. s. d.			
Cartridges, Flannel, filled with Powder— <i>continued.</i>						
Armstrong Gun -	20-pounder -	3½ lbs. - -	67	8 18 8		
		2½ " - -	4,458		598 8 10	
		Ditto - without lubricators -	55			22 2 9
		5 lbs. - -	120			
	12-pounder -	1½ lbs. - without lubricators -	1,000	16 6 1		
		1½ lbs. with paper cylinders, as proposed by Mr. W. Richards -	200		46 10 6	
		2 lbs. - -	559			10,235
		1½ " - -	10,235			
	12 or 9-pounder	Ditto - in water-proof bags, and paper covers -	250	5 13 11		
		1½ lbs. without lubricators -	90		370 1 10	
		1½ lbs. - -	4,617			748
		Ditto - in water-proof bags, and paper covers -	748			
	Powder, Flannel, Armstrong Gun	12-pounder - 1½ lbs. without lubricators	20	1 7 7		
		1 lb. - - - -	36		1 14 7	
		6-pounder - 12 ozs. - - - -	2,989			150 7 8
		Ditto, without lubricators	40			
Cartridges filled with Coal-dust:						
Calico Burstern for Shells, in Waterproof Bags:						
Armstrong	Common -	110-pounder, 8 lbs. -	1	- - 4		
		40 " 2½ " -	1	- - 2		
		20 " 1 " -	1	- - 2		
		110 " 3 " -	1	- - 3		
	Segment -	40 " 10 oz. -	1	- - 1		
		10-inch - 6½ lbs. -	1	- - 4		
		8 " or 68-pr. 2½ lbs. -	1	- - 2		
		32-pounder, 1 lb. 2 oz. -	1	- - 2		
	Common -	24 " - 13 oz. -	1	- - 1		
		18 " - 10 " -	1	- - 1		
		8-in. or 68-pr. 60 drs. -	1	- - 1		
		32-pounder - 40 " -	1	- - 1		
	Diaphragm	24 " - 30 " -	1	- - 1		
		18 " - 25 " -	1	- - 1		
		Calico Burstern for Shells:				
		Armstrong	Common -	110-pounder, 8 lbs. -	15	- 5 8
20 " 1 " -	60			- 9 2		
110 " 3 " -	60			- 12 7		
32-pr. 1 lb. 2 oz. -	86			- 13 2		
Common -	24-pr. - 13 " -		25	- 2 4		
	18 " - 10 " -		10	- - 11		
	12 " - 6 " -		11	- 1 -		
	32-pounder, 40 drs. -		86	- 4 11		
Diaphragm	24 " 30 " -		28	- 1 2		
	18 " 25 " -		10	- - 6		
	12 " 20 " -		15	- - 8		
	9 " 15 " -		8	- - 4		
Naval 9-inch 4 lbs. -	6 " 10 " -		8	- - 4		
	- - - -		1	- - 4		
	Burstern, calico, with Waterproof Paper Bags for:					
	Rockets		24-pounder, 8½ ozs. -	12 " 3¼ " -	6	- - 8
6 " 1½ " -		6		- - 6		
3 " ¾ " -		6		- - 4		
8-in. or 68-pr. 60 drs. -		7		- - 6		
Diaphragm Shells -		56-pounder, 55 drs. -	6	- - 6		
		42 " 50 " -	6	- - 6		
		32 " 40 " -	6	- - 6		
		24 " 30 " -	6	- - 4		
		18 " 25 " -	6	- - 4		
		12 " 20 " -	6	- - 4		
Shells -	9 " 15 " -	6	- - 4			
	6 " 10 " -	6	- - 4			

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.			Number or Quantity.	VALUE.	
Cartridges filled with Coal-dust— <i>continued.</i>					
Calico, Waterproof Bursters, for Shells:			S.	£. s. d.	
Armstrong	Common	110-pounder, 8 lbs. -	6	- 4 4	
		70-pounder, $4\frac{3}{4}$ „ -	6	- 3 1	
		40-pounder, $2\frac{1}{2}$ „ -	6	- 2 3	
		20-pounder, 1 „ -	7	- 1 7	
	Segment	110-pounder, 3 „ -	6	- 2 4	
		70-pounder, $2\frac{3}{4}$ „ -	6	- 2 4	
		40-pounder, or com- mon 18-pr., 10 oz.	6	- 1 1	
Common and	24-pounder and $5\frac{1}{2}$ inch, 13 oz.	- -	6	- 1 1	
Mortar	12-pounder and $4\frac{3}{8}$ inch, 6 oz.	- -	6	- - 10	
Common, Mortar, and Naval, 8 inch, $2\frac{1}{4}$ lbs. -			6	- 1 10	
Common and Naval, 10 inch, $6\frac{1}{4}$ lbs. -			6	- 3 8	
Common and Naval	56-pounder, 2 lbs.	- - - -	6	- 1 10	
	42-pounder, 1 lb. 6 oz.	- - - -	6	- 1 8	
	32-pounder, 1 „ 2 „	- - - -	6	- 1 8	
Mortar	13-inch, $10\frac{1}{2}$ lbs.	- - - -	6	- 5 -	
	10-inch 5 „	- - - -	6	- 3 1	
Calico Waterproof Bags :					
15 lbs. -			6	- 7 6	
10 „ -			6	- 5 11	
Cartridges, Flannel, filled with Coal-dust, Gun :					
300-pounder, 40 lbs. -			2	- 3 10	
Armstrong	{	White Serge, 9 or 12-pounder, 1 lb. without Sawdust wads -	2	- - 7	
		- - - - -	-	-	
	110-pounder	$18\frac{5}{16}$ lbs. -	1	- 1 2	
		$13\frac{5}{16}$ „ -	1	- 1 -	
		12 „ -	61	3 10 10	
		10 „ -	16	- 13 4	
	70-pounder -		$13\frac{5}{16}$ „ -	1	- 1 -
	40-pounder	$6\frac{3}{4}$ „ -	1	- - 8	
		5 „ L. S. -	60	} 6 17 7	
		5 „ S. S. -	45		
		3 „ -	5	- 2 4	
	20-pounder	$3\frac{1}{8}$ „ -	1	- - 6	
		$1\frac{1}{2}$ „ -	5	- 2 11	
		2 „ -	1	- - 5	
		$1\frac{1}{8}$ „ -	19	- 11 2	
	12 and 9-pounder	$1\frac{9}{16}$ „ -	2	} 2 19 9	
		$1\frac{9}{16}$ in waterproof bags and paper covers -	102		
		1 lb. -		15	} - 5 10
		1 „ without wads -		2	
	6-pounder	1 „ -	1	} - 2 11	
		12 oz. -	6		
In waterproof bags and paper covers	10-inch, 12 lbs.	- - - -	1	- - 10	
	8-inch, 10 „	- - - -	1	- - 8	
	68-pounder, 16 lbs.	- - - -	1	- 1 -	
	32-pounder, 10 „	- - - -	1	- - 8	
	24-pounder, 8 „	- - - -	1	- - 7	
	18-pounder, 6 „	- - - -	1	- - 6	
10-inch 12 lbs. -			15	- 13 10	
9-inch	25 lbs.	- - - -	1	- 1 6	
	20 „	- - - -	1	- 1 4	
	12 „	- - - -	1	- 1 2	
8-inch	10 „	- - - -	9	- 6 -	
	5 „ with Coal-dust wads	- - - -	46	- - 3	

No. 3.—ROYAL LABORATORY WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.						
				S.	£.	s.	d.				
Cartridges, Flannel, filled with Coal-dust— <i>continued.</i>											
Gun	-	-	{	25 lbs. - - -	1	-	1 5				
				7-inch { 20 " - - -	1	-	1 4				
				12 " - - -	1	-	1 2				
				68-pounder, 16 " - - -	9	-	- 7				
				32-pounder { 10 " - - -	23	-	14 4				
				8 " - - -	40	}	2 6 4				
				24-pounder, 8 " - - -	44		- 9 7				
				18-pounder, 6 " - - -	20		- 7 3				
				12 pounder, 4 " - - -	18		1 6 -				
				9-pounder, 2½ " - - -	77		- 8 5				
Howitzer	-	-	{	6-pounder, 1½ " - - -	28						
				32-pounder, 3 lbs. - - -	12	-	4 4				
				24-pounder, 2½ " - - -	28	-	9 6				
				12-pounder, 1¼ " - - -	82	-	14 6				
Mortar, 8-inch, 2 lbs. - - - - -				1	-	-	4				
Dummy for Drill for Armstrong Guns:											
With Metal Sockets for Lubricators	-	-	{	110-pounder, 12 lbs. - - -	110	4	4 8				
				70-pounder, 9 " - - -	29	-	19 4				
				40-pounder, 5 " - - -	45						
With Wood Lubricators	-	-	{	40-pounder, L.S., 5 lbs. - - -	2	1	3 -				
				20-pounder, 2½ lbs. - - -	33	-	12 11				
				12-pounder, 1½ " - - -	113	1	9 5				
				9-pounder, 1½ " - - -	25	-	6 3				
				6-pounder, 12 oz. - - -	31	-	6 1				
Cartridges, S. A. Ball Per- cussion, in waterproof bags, Carbine	-	-	{	C. B. 2½ drs. - - - - -	20,000	28	7 1				
				Rifle Artillery, 2 drs. - - -	1,929,950	}	3,610 - 9				
				Rifle Artillery, 2 drs. Yellow Paper	4,000						
				Rifle Artillery, 2 drs. Clay Plugs							
				filled with coal-dust - - -	50	-	4 3				
				Breech { Sharp, 2½ drs. - - -	3,250	10	15 10				
				loading { Terry, 2 " - - -	175,030	426	9 -				
				Westley Richards, 2 drs.	115,840	269	13 10				
2½ drs. Buck Shot - - - -				500	1	3 1					
Cartridges, S. A. Ball Percussion:											
Not in waterproof bags, Carbine	-	-	{	Rifle Artillery, 2 drs. - - -	6,080	11	7 -				
				Breech { Terry, 2 drs. - - -	3	-	- 2				
				Loading { Westley Richards, 2 drs.	10	-	- 5				
				1853, P. B. 2½ drs., not in water- proof bags - - -	960						
				1853, P. B. 2½ drs., in waterproof bags - - -	33,228,800	}	66,576 15 1				
				1853, P. B. 2½ drs., red paper - - -	49,000						
				1853, 2½ drs., Clay Plugs, in waterproof bags - - -	9,310						
				1853, 2½ drs., Clay Plugs, filled with coal-dust - - -	50		-	4 3			
				1853, Proof, 5 drs. - - -	80,000	197	16 8				
				1853, P. B. 2½ drs. empty - - -	70,000	85	4 9				
Rifle Musket	-	-	{	1853, P. B. 2½ drs. in waterproof bags, compressed and perforated Powder in disc, 0.56 inch diam. }	100	-	8 8				
				1853, 2½ drs., in waterproof bags, without plugs - - -	120	-	4 4				
				1853, P. B. 2½ drs., not lubricated, in waterproof bags - - -	2,800	5	9 2				
				With Buck Shot, 3½ drs.	3,000	7	5 7				
				Smooth Bore, common,							
				4½ drs. - - -	22,500	38	17 2				
				Westley Richards Breech Loading, 2½ drs. - - -	120	-	5 11				
				Rifle, Whitworth, Cylindrical, 75 grains - - -	1,500	4	15 4				
				In various stages of Manufacture	-	-	{	1842 pattern - - - - -	16	-	2 8
								1851 " - - - - -	16	-	2 8
1853 " - - - - -	61	-	10 2								

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.					
Cartridges, S. A., Percussion :						S.	£.	s.	d.			
Ball, Pistol	{	Colt's, skin, in covers	-	-	-	6	}	-	-	2		
		Ditto - not in covers	-	-	-	2		-	-	5		
		Dean and Adams'	-	-	-	25	-	1	5			
		Ditto - in covers	-	-	-	8	-	-	5			
		Ditto - loose	-	-	-	8	-	-	5			
		2 drs., empty, smooth bore	-	-	-	200	-	4	10			
		M. B., 2 ½ drs.	-	-	-	2,500	3	19	9			
		S. S., 1 dr., spherical bullet	-	-	-	300	-	9	9			
		Deane Revolvers, skin	-	-	-	260	-	15	2			
Rifle, 1 dr.	-	-	-	39,532	64	5	7					
P. B., 2 drs.	-	-	-	2,500	2	18	10					
Blank	{	All arms, 3 ½ drs.	-	-	-	3,636,700	2,795	14	3			
		Pistol - 2 drs.	-	-	-	50,000	27	3	9			
Ditto, 3 ½ drs., as primers for Armstrong Guns						15	-	-	3			
Cases :												
Packing, various						-	2,173	18	8			
Powder	{	Brass, N. P., Whole	-	-	-	3,590	12,592	15	11			
		" " Half	-	-	-	47	115	1	-			
		Special	-	-	-	2	8	18	10			
Iron, for conveyance of ammunition by rail	{	Half barrel	-	-	-	34	138	3	4			
		Quarter barrel	-	-	-	86	215	9	11			
Tin, for paint	{	No. 1	-	-	-	1,254	63	9	11			
		" 2	-	-	-	400	18	6	11			
		" 3	-	-	-	1,350	56	4	6			
		" 4	-	-	-	R. 1 s. 200	7	12	6			
		" 5	-	-	-	R. 1 s. 100	3	5	5			
		" 6	-	-	-	R. 1 s. 100	2	18	3			
		" 7	-	-	-	R. 1 s. 100	2	11	-			
" Gun case, shot	{	12-pounder	-	-	-	50	1	8	7			
		6 "	-	-	-	150	3	6	4			
		3 "	-	-	-	150	2	12	1			
Cloths, Canvas, for airing Powder						69	60	5	8			
Covers :												
Paper for Cartridges	{	No. 4	-	-	-	9	-	-	1			
		" 5	-	-	-	13	-	-	6			
		" 6	-	-	-	9	-	-	5			
		" 7	-	-	-	9	-	-	7			
		" 8	-	-	-	1,505	2	12	8			
		" 9	-	-	-	9	-	-	4			
		" 10	-	-	-	5	-	-	3			
		" 11	-	-	-	10,005	26	3	2			
		" 12	-	-	-	9	-	-	4			
		" 13	-	-	-	82	-	3	7			
		" 14	-	-	-	90	-	3	11			
		" 15	-	-	-	5	-	-	3			
		" 16	-	-	-	9	-	-	7			
		" 17	-	-	-	21	-	1	10			
		" 18	-	-	-	5	-	-	4			
		" 19	-	-	-	17	-	1	8			
Collars :												
Gutta Percha for	{	Common Shells, Plugs, and Fuzes	-	-	-	159,009	28	9	9			
		Plugs and Fuzes	{	Armstrong	-	-	-	40,800	8	3	2	
Leather for Metal Plugs for shells	{	Fuzes	{	Naval	-	-	-	1,250	-	5	-	
		Fuzes and	{	Common	-	-	-	6,010	2	11	11	
				Naval	-	-	-	112,010	50	5	9	
Cups, Tin :												
Armstrong Guns	{	110-pounder, L. G., 7.253	-	-	-	76,267	1,481	12	11			
		70 "	-	-	-	1,735	27	8	-			
		40 "	-	-	-	1,500	19	18	5			
		20 "	{	H. G.	-	-	-	264	}	4	2	6
			{	L. G.	-	-	-	126				
		12 or	{	H. G.	-	-	-	333				
		9-pounder	{	L. G.	-	-	-	167				

No. 3—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued*.

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.				
Cylinders, iron, for Proof of Armstrong Guns :						<i>S.</i>	<i>£.</i>	<i>s.</i>	<i>d.</i>		
Weight of 2 Shot	110-pounder	-	-	-	-	1,601	3,255	18	-		
	70 "	-	-	-	-	201	347	4	6		
	40 "	-	-	-	-	897	1,094	1	2		
	20 "	-	-	-	-	219	134	2	6		
	12 or 9-pounder	-	-	-	-	1,797	1,005	5	10		
20-pounder, Armstrong, for Proof equal to the weight of	6-pounder	-	-	-	-	204	82	19	6		
	3 Shot	-	-	-	-	16	12	4	9		
	4 "	-	-	-	-	16	14	17	6		
	5 "	-	-	-	-	16	17	8	4		
	6 "	-	-	-	-	18	22	11	5		
	7 "	-	-	-	-	16	22	14	10		
	8 "	-	-	-	-	17	26	18	6		
	9 "	-	-	-	-	16	27	19	7		
	10 "	-	-	-	-	19	36	7	3		
	Paper for Arm- strong Cartridges	110-pounder, 10 lbs.	-	-	-	-	6,805	80	10	6	
70 "		-	-	-	-	1,400	}	17	-		
70 " 9 lbs., or		-	-	-	-	1,265					
20-pounder, 2½ lbs. N. P. }		-	-	-	-	53,091					
40 "		-	-	-	-	17,635					
Zinc	-	-	-	-	-	63,789	112	12	1		
							964	16	2		
Drifts, Wood, for :											
Signal Rockets	Sets	1 lb. (4 to a set)	-	-	-	6	-	17	6		
		½ lb. (8 to a set)	-	-	-	6	-	10	-		
	Solid	1 lb.	-	-	-	1	-	-	6		
		½ lb.	-	-	-	2	-	-	9		
Fuzes—Metal :											
Filled	Armstrong	Pillar	-	-	-	2,042	180	4	-		
		Time	-	-	-	69,103	7,355	3	-		
		Percussion	-	-	-	105	5	12	7		
	Pettman	L. S.	-	-	-	4,453	579	8	11		
		S. S.	-	-	-	118,518	9,550	11	6		
	White for Drill	-	-	-	-	9	-	19	1		
Fuzes, Filled :											
Abel's Magnetic	Behennas' for firing Rockets	24-pounder	-	-	-	50	37	18	10		
		12 "	-	-	-	2,095	-	10	4		
		6 "	-	-	-	50	21	16	6		
		3 "	-	-	-	50	-	10	5		
		Wet Soil	-	-	-	1	-	10	4		
	Wood	Common	24-pounder	-	-	-	1	-	-	3	
			12 "	-	-	-	1	-	-	3	
			6 "	-	-	-	1	-	-	3	
		Diaphragm	3 "	-	-	-	1	-	-	3	
			Common	-	-	-	-	62	-	16	11
			Diaphragm	-	-	-	-	1,562	19	2	-
		Hand Grenade	-	-	-	-	11,861	163	19	1	
		Manby Shot	-	-	-	-	685	15	4	6	
		Mortar	13, 10, or 8-inch	-	-	-	61	1	14	5	
Shrapnel, improved	5½ or 4½ "	-	-	-	56,061	795	7	4			
	Diaphragm, faulty	-	-	-	-	16	-	3	6		
		-	-	-	-	1,000	9	13	11		
Gauges, Brass :											
Ring for Arm- strong's filled Cartridges	110-pounder	-	7·026	-	-	7	2	18	5		
	70 "	-	6·26	-	-	5	1	12	6		
	40 "	-	4·836	-	-	6	}	3	4		
		-	4·773	-	-	6					
	20 "	-	3·836	-	-	6	}	2	13		
		-	3·773	-	-	6					
	12 and 9 pounder	3·074	-	-	-	16	}	12	19		
		3·024	-	-	-	16					
		2·87	-	-	-	16					
	12 or 9-pounder	3·125	-	-	-	21					
	6-pounder	2·574 ^a	-	-	-	8	}	2	13		
		2·526	-	-	-	8					
For Armstrong's Cartridges, length 12-pounder						16	8	-	-		

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.		
Gauges, Iron :						S.	£. s. d.		
Ring for Balls, 5½-inch { Light						2			
Smoke						1	1 - 7		
{ 13-inch - { 12·88 inches -						1			
{ 12·8 " -						1	1 8 8		
{ 10 " - { 9·88 " -						1			
{ 9·82 " -						1	1 3 6		
{ 8 " - { 7·9 " -						2			
{ 7·82 " -						2	1 16 9		
{ 56-pounder { 7·51 " -						1			
{ 7·45 " -						1	- 17 5		
{ Ring for Car- { 6·795 " -						1			
{ cases - { 6·735 " -						1	- 17 -		
{ 42 " - { 6·207 " -						1			
{ 32 " - { 6·147 " -						1	- 15 3		
{ 24 " - { 5·62 " -						1			
{ 5·57 " -						1	- 13 8		
{ 18 " - { 5·124 " -						1			
{ 5·074 " -						1	- 12 2		
{ 12 " - { 4·476 " -						1			
{ 4·432 " -						1	- 10 7		
{ 7·095 -						286			
{ 7·046 -						6			
{ 110-pounder { 7·08 -						5	155 1 7		
{ 7·026 -						5			
{ 7·015 -						5			
{ 6·493 -						165			
{ 6·437 -						6			
{ 70 " { 6·482 -						6	81 3 6		
{ 6·423 -						6			
{ 6·413 -						6			
{ 4·84 -						262			
{ 4·787 -						5			
{ 40 " { 4·83 -						5	99 13 -		
{ 4·773 -						5			
{ 4·763 -						5			
{ Ring for Arm- { 3·846 -						180			
{ strong's Shell { 3·836 -						5			
{ and Shot - { 3·787 -						5	46 18 2		
{ 3·773 -						5			
{ 3·763 -						5			
{ 3·074 -						384			
{ 12-pounder { 3·067 -						5			
{ or { 3·034 -						5	85 10 1		
{ 9-pounder. { 3·024 -						5			
{ 3·015 -						5			
{ 2·574 -						133			
{ 2·567 -						5			
{ 6-pounder { 2·536 -						5	26 - 1		
{ 2·515 -						5			
{ 2·526 -						5			
{ 13-inch - { 12·88 -						1			
{ 12·8 -						1	1 18 8		
{ 9·95 -						1			
{ 10-inch - { 9·88 -						1			
{ 9·82 -						1	2 7 1		
{ 9·76 -						1			
{ 8·02 -						1			
{ 7·97 -						15			
{ 7·95 -						17			
{ 7·9 -						26	45 18 10		
{ 7·82 -						19			
{ 7·76 -						22			
{ 7·6 -						1			
{ 56-pounder { 7·51 -						1			
{ 7·45 -						1	1 14 9		
{ 7·4 -						1			
{ 6·87 -						1			
{ 42-pounder { 6·795 -						1			
{ 6·735 -						1	1 13 11		
{ 6·675 -						1			
{ Ring for Spherical { 12·88 -						1			
{ Shell and Shot { 12·8 -						1			
{ 9·95 -						1			
{ 9·88 -						1			
{ 9·82 -						1			
{ 9·76 -						1			
{ 8·02 -						1			
{ 7·97 -						15			
{ 7·95 -						17			
{ 7·9 -						26	45 18 10		
{ 7·82 -						19			
{ 7·76 -						22			
{ 7·6 -						1			
{ 56-pounder { 7·51 -						1			
{ 7·45 -						1	1 14 9		
{ 7·4 -						1			
{ 6·87 -						1			
{ 42-pounder { 6·795 -						1			
{ 6·735 -						1	1 13 11		
{ 6·675 -						1			

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.		
Gauges—continued.						S.	£. s. d.		
Iron Ring for Spherical Shell and Shot	32-pounder	6.26	-	-	-	29	28	12	11
		6.207	-	-	-	1			
		6.147	-	-	-	23			
		6.087	-	-	-	22			
	24-pounder	5.67	-	-	-	12	17	8	-
		5.639	-	-	-	17			
		5.62	-	-	-	1			
		5.584	-	-	-	7			
		5.57	-	-	-	13			
		5.52	-	-	-	1			
	18-pounder	5.16	-	-	-	1	1	4	6
		5.124	-	-	-	1			
		5.074	-	-	-	1			
		5.024	-	-	-	1			
	12-pounder	4.59	-	-	-	9	16	19	6
		4.54	-	-	-	8			
		4.53	-	-	-	12			
		4.505	-	-	-	12			
		4.476	-	-	-	1			
		4.432	-	-	-	12			
		4.388	-	-	-	10			
	9-pounder	4.16	-	-	-	1	1	7	6
		4.117	-	-	-	1			
		4.1	-	-	-	1			
		4.083	-	-	-	1			
		4.06	-	-	-	1			
Spherical Shell and Shot.	6-pounder	4.02	-	-	-	1	1	3	5
		3.62	-	-	-	1			
		3.585	-	-	-	1			
		3.568	-	-	-	1			
		3.551	-	-	-	1			
		3.532	-	-	-	1			
	3-pounder	3.496	-	-	-	1	-	12	10
		2.88	-	-	-	1			
		2.838	-	-	-	1			
		2.608	-	-	-	1			
		2.778	-	-	-	1			
Goloshes, Leather, pairs :									
With Straps - - - - -						24	46	3	7
W. A. Pattern, Special - - - - -						30			
Handles :									
For Percussion Lights - - - - -						220	6	3	7
For Lights for Manby's Life-saving Apparatus - - - - -						120			
Heads, Wood, for Magnetic Tubes - - - - -						930	5	14	8
Hooks :									
Shot and Shell - { Beam, 13 or 10 inches - - - - -						1	-	3	9
{ Beam, Lewis, 13 and 10 inch pounders						21	3	19	-
Hoops, Copper :									
Whole Barrel un- { Bilge - - - - -						110,981	11,032	4	1
made. { Chime - - - - -						122,208	11,455	14	6
Implements for Preparing Fuzes and Shells, Field Service :									
No. 1 Set	Bags, Canvas - - - - -					1,842	15	8	1
	Borers - - -	{	Hand - - - - -	-	-	306	28	1	11
			Hook - - - - -	-	-	612	163	18	11
	Bits - - -	{	Long - - - - -	-	-	5,544	83	12	6
			Short - - - - -	-	-	5,544	36	19	3
	Cylinders, Wood	-	-	-	-	924	47	1	8
		Extractors, Fuze	-	-	-	306	246	13	11
		Instructions, printed	-	-	-	2,530	5	5	5
		Keys for Pettman L. S. Fuzes	-	-	-	306	29	6	11
		Sections of Fuzes	-	-	-	1,530	17	9	4
No. 3 Set	Drifts, Wood, for	{	Common Shells - - - - -	-	50	-	6	11	
			32 or 24-pounders dia- phragm shells.	-	50	-	7	7	
	Funnels for -	{	Common Shells - - - - -	-	50	6	15	10	
			32 or 24-pounders dia- phragm Shells.	-	50	6	12	11	

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.		Number or Quantity.	VALUE.		
Implements for Preparing Fuzes and Shells, Field Service— <i>cont^d.</i>		<i>S.</i>	<i>£.</i>	<i>s.</i>	<i>d.</i>
No. 3 Set - <i>continued.</i>	Instructions, printed - - - - -	100	-	4	2
	Keys, Iron, for Fuze Hole Plugs - - -	100	4	4	3
	Punches for Riveting Bottoms - - -	50	2	7	8
	Screwdrivers for 32 or 24-pounders Diaphragm Loading-hole.	50	3	-	3
Implements for Preparing Fuzes and Shells, Fortresses, and Permanent Batteries:					
No. 1 Set -	Blocks, Wood, for Shell Holders - - -	276	8	6	4
	Extractor's Fuze - - - - -	92	74	3	5
	Gauges Plug for Fuze-holes - - - -	92	22	3	6
	Holdes' Shell - - - - -	92	370	3	2
	Instructions, printed - - - - -	93	-	3	10
	Keys, Square - - - - -	92	3	17	6
	Levers for Keys, Rimers, and Screw Taps -	92	14	1	4
	Rimers - - - - -	92	15	18	6
	Taps, Screw, "Pettman" - - - - -	92	22	3	6
No. 2 Set -	Screws, Coach, for Shell Holders, 4 by $\frac{1}{2}$ in.	368	-	17	8
	Blocks, Wood, for Shell Holders - - -	50	1	10	1
	Hammers - - - - -	50	4	19	6
	Instructions, printed - - - - -	501	1	-	10
	Prickers for removing Beeswax from Rivet-holes.	50	-	8	9
	Punches - - - - -	50	2	7	8
	Rectifiers for Rivet-holes - - - - -	50	3	1	-
	Wrenches, Box, for detaching bottoms from Iron Bar.	50	1	16	4
No. 3 Set -	Drifts - - - { Wood for Common Shells	100	-	13	10
	- - - { Diaphragm { 10 in. to 24-pounder.	100	1	10	2
	- - - { 18-pounder to 6-pounder	100			
	- - - { For Common Shells	100			
	Funnels - - - { 10 in. to 24-pounder.	100	26	11	7
	- - - { Diaphragm { 18-pounder to 6-pounder	100			
	- - - { 18-pounder to 6-pounder	100			
	Instructions, printed - - - - -	501	1	-	11
	Keys, Iron, for Fuze-hole Plugs - - -	100	4	4	2
	Screwdrivers for { 10 inch to 24-pounder -	100	12	1	-
	Diaphragm Shells. { 18-pounder to 6-pounder	100			
No. 4 Set -	Bits - - - { Long - - - - -	2,238	33	15	1
	- - - { Short - - - - -	2,238	14	18	4
	- - - { Hand - - - - -	373	34	5	1
	Borers - - - { Hook - - - - -	373	99	18	5
	Cylinders, Wood - - - - -	373	19	-	2
	Instructions, printed - - - - -	2,066	4	6	1
	Keys, Iron, for - { Fuze-hole Plugs - - -	746	31	8	2
	- - - { Pettman, L.S. Fuzes - - -	373	35	15	6
	Mallets - - - - -	373	6	19	9
	Sections of Fuzes - - - - -	1,865	21	5	10
No. 6 Set -	Setters - - - - -	373	4	3	3
	Braces - - - - -	100	10	6	5
	Bits, Mortar - - - - -	1,200	13	7	-
	Cylinders, Wood - - - - -	200	10	3	10
	Funnels, Leather - - - - -	100	15	1	11
	Instructions printed - - - - -	600	1	5	-
	Mallets - - - - -	100	3	5	7
	Sections of Fuzes - - - - -	500	12	10	-
	Setters - - - - -	100	1	2	4
Implements:					
For Boxer Wood Time Fuzes for Rifled Ordnance.	Awls, Brad - - - - -	25	-	9	11
	Borers - - - - -	52	4	15	6
	Drifts, Wood - - - - -	14	-	1	11
	Extractor's Fuze - - - - -	11	8	17	4
	Instructions - - - - -	10	-	-	5
	Keys, Iron, for Adapters - - - - -	10	1	3	7
	Mallets - - - - -	14	-	5	3
	Setters - - - - -	7	-	1	7

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.
				S.	£. s. d.
<i>Implements—continued.</i>					
Naval	-	-	Fuze, Wrenches for fixing Fuzes -	20	4 18 4
			Shell - - - { Instructions, printed Taps, Screw Levers for Taps	2	- - 1
				170	40 19 7
				170	25 19 10
For Rockets	-	-	Bits, Boring - - - -	130	3 9 4
			Boxes, Tin, for Grease - - -	65	- 17 6
			Funnels, Tin - - - -	130	1 19 8
			Instructions, printed - - -	65	- 2 8
			Scales, Boxwood, Jerningham's -	65	13 18 10
			Stocks for bits - - - -	65	7 16 3
			Tallow - - - -	8 lbs. 2 ozs.	- 3 4
			Turnscrews - - - -	130	2 6 8
For Making S. A. Cartridges :					
			Colts, Formers, Brass - - - -	27	- 14 5
-/42 Pattern	{		Formers, Wood - - - -	643	4 14 10
			Plugs, Wood - - - -	590	4 6 6
-/51 Pattern	{		Formers, Wood - - - -	55	- 8 3
			Plugs, Wood - - - -	196	1 5 11
-/53 Pattern	{		Formers, Wood - - - -	540	6 1 11
			Funnels, Tin - - - -	225	3 18 11
			Measures, Copper, 2½ drs. -	225	2 19 5
			Patterns, Tin, sets - - -	45	- 6 1
			Plugs, Wood, Forming - - -	540	3 18 9
			Plugs, Wood, Lead Ball - -	2,250	- 2 -
			Straight Edges, Brass - -	45	6 4 7
			Shot, Lead Ball - - - -	{ 2,250 166½ lbs. }	1 11 2
Awls, Brad	-	-	- - - -	3	- 1 2
Bits	{		Fuze { Mortar - - - -	207	2 6 -
			Naval - - - -	4,800	96 - -
			Long Hook Borer - - - -	200	3 - 4
Borers, { Hand	-	-	- - - -	252	23 2 9
Drifts, Wood	-	-	- - - -	100	- - -
Diaphragm	-	-	- - - -	50	1 2 7
Extractors, Fuze	-	-	- - - -	R. 2 s. 1	- 16 2
Funnels, Leather	{		Common - - - -	201	27 6 2
			Diaphragm { Large - - - -	70	18 12 1
			Small - - - -	70	
Hammers, Hand	{		Mortar - - - -	20	3 - 4
			- - - -	4	- 8 -
Instructions, printed, for	{		Loading, securing, and preparing Com- mon and Diaphragm Shells for firing.	300	1 5 -
			Preparing Common and Diaphragm Fuzes -	300	
Mallets, Wood, Fuze 5½ inch	-	-	- - - -	2	- - 9
Taps, Screw, "Pettman"	-	-	- - - -	3	- 18 7
Screwdrivers, Diaphragm	{		Large - - - -	59	6 11 4
			Small - - - -	50	
Stops, Brass, for Long Naval Bits	-	-	- - - -	14	- 7 5
Wrenches	{		Metal, for fixing Concussion Fuzes in Shells	1	- 4 11
			Naval { Fuze - - - -	86	7 15 10
			Plug - - - -	30	2 8 9
			Box, for detaching Bottoms from Iron Bar	10	- 7 3
Keys for Paint	{		No. 1 - - - -	120	8 3 11
			No. 2 - - - -	110	10 10 4
			No. 3 - - - -	1,116	152 8 6
Keys, Iron, for Adapters	-	-	- - - -	2	- 4 8
<i>Keys :</i>					
Iron	{		For Naval Plugs - - - -	5	- 3 6
			Pettman Fuzes - - - -	46	4 8 3
			Shell and Fuze, Armstrong -	2,373	525 8 5
			For screwing Sockets into Shells -	1	- 1 11
Metal for Cases	-	-	- - - -	1	- - 8
Lanyards	-	-	- - - -	925	14 14 10
Friction Tube	-	-	- - - -	4,000	83 10 -

No. 3—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.						Number or Quantity.	VALUE.		
						S.	£.	s.	d.
Life-Buoy Apparatus:									
Covers Fuze Plates - - - - -						248	218	8	3
Fuzes fixed to Plates - - - - -						1,000	652	7	1
Hooks, Iron, for Covers Fuze Plates - - - - -						744		5	11 7
Lights:									
Percussion, Long - - - - -						800	70	13	6
Long, for Life-saving Apparatus - - - - -						1,000	88	6	10
Lubricators:									
Boxer, for Armstrong Cartridges - - -						200-pounder - - - - -	280	41	5 -
						110 " - - - - -	55,844	4,245	6 2
						70 " - - - - -	2,861	192	1 6
						40 " { L. S. - - - - -	4,060	2,334	16 1
						" { S. S. - - - - -	51,120		
						20 " - - - - -	15,182	457	4 -
Wood, with Metal Screws - - - - -						12 or 9 " - - - - -	41,935	860	19 7
						6 " - - - - -	7,200	105	16 6
						110 " - - - - -	80	5	4 10
Luting - - - - -						70 " - - - - -	21	1	6 3
						40 " - - - - -	44	-	19 9
						lbs. 1,050	57	1	2
Machines:									
For filling Cartridges {						Large - - - - -	2	46	- 4
						Small - - - - -	2	37	13 -
For firing Rockets {						12-pounder - - - - -	12	131	4 10
						L. S. 6 " - - - - -	3	28	10 9
Match, Quick - - - - -						lbs. 100	8	9	7
Mandrills, Wood, for Bottoms - - - - -						45	1	6	1
Measures:									
Powder, Brass, for Caffin Machines -						6 lbs. - - - - -	4	1	8 5
						5 " - - - - -	4	1	5 1
						4 " - - - - -	4	1	2 3
						3 " 8 ozs. - - - - -	4	1	- 10
						3 " - - - - -	8	1	19 5
						2 " 10 ozs. - - - - -	8	1	16 11
						2 " 8 " - - - - -	8	1	15 7
						2 " - - - - -	8	1	12 5
						1 " - - - - -	4	-	12 6
						8 ozs. - - - - -	4	-	9 1
Copper Powder. -						6 lbs. - - - - -	5	13	10 -
						1½ " - - - - -	5		
						1¼ " - - - - -	5		
						10 ozs. - - - - -	5		
						2½ " - - - - -	5		
						½ " - - - - -	5		
						4 drs. - - - - -	1		
Plates, Iron Cast, for Caffin Grape Shot -						2 " - - - - -	1		
						8-inch or 68-pounder - - - - -	90	2	7 5
						32-pounder - - - - -	70	-	15 2
Plugs:									
Metal - - - - -						Fuze hole - { Common - - - - -	93,760	818	8 11
						" { Diaphragm - - - - -	37,642	490	8 3
						Loading hole { Large - - - - -	1,045	5	14 11
						" { Small - - - - -	2,045	7	6 1
						Martin - - - - -	76	-	18 9
						Naval - - - - -	960	545	6 3
						Ditto, with String Loops - - - - -	27,899		
						Screw for { 24 & 12-pounder - - - - -	200	-	13 8
						Rocket Shells { 6-pounder - - - - -	100		
						" { 3 " - - - - -	100		
						Common, fitted with Tarred Lan- yard for Drill - - - - -	40	-	7 -

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.										Number or Quantity.	VALUE.				
										S.	£.	s.	d.		
Plugs—continued.															
Armstrong—Brass Metal, fitted with String Loops, 20-pounder, 12-pounder, and 6-pounder segment - - -										48,649	555	18	4		
Wood :															
Covered with Serge, Small - - - - -										122,225	249	10	10		
Lead { -/42 unwaxed - - - - -										828,000	37	1	9		
Ball { -/53 - - - - -										7,000,000	313	10	10		
Portfires :															
L. S. - - - - -										15	-	12	6		
Percussion - - - - -										15	-	15	10		
Primers :															
N. P. for Armstrong Guns - - - - -										126,920	535	3	7		
Detonating, for Lights - - - - -										2,300	15	12	3		
Rivets :															
For Naval Shells {										10-inch - - - - -	7,526	}	12	12	10
										9-inch { Bottom - - - - -	2				
										for - { Top - - - - -	2				
										8-inch - - - - -	30				
										32 pounder - - - - -	30				
Rockets :															
Fire Shell {										24-pounder - - - - -	471	696	8	5	
										12 „ - - - - -	63	64	7	7	
										6 „ - - - - -	261	175	11	2	
Rods, Iron, for Bottoms - - - - -										5,660	125	14	-		
Sections and Specimens, various - - - - -										-	3,067	14	9		
Shells, Armstrong :															
Empty - {										Common { 110-pounder - - - - -	26,297	12,491	7	-	
										40 „ - - - - -	1,352	336	-	-	
										12 „ - - - - -	20	3	18	1	
										Segment { 110 „ - - - - -	21	11	17	1	
										40 „ - - - - -	63	18	14	11	
										12 „ - - - - -	4,213	525	15	10	
										9 „ - - - - -	30,437	3,411	15	11	
										6 „ - - - - -	14,115	1,442	1	8	
Shells :															
Common, Empty, Loose, { 10 inch - - - - -										25,429	6,121	10	-		
prepared for Bottoms, { 8 „ - - - - -										30,000	3,984	7	6		
and adapted for Pett- { 24 pounder - - - - -										10,000	522	7	11		
man Fuzes - - - - - { 12 „ - - - - -										24,000	1,799	5	-		
Mortar, Empty, Loose, prepared { 13 inch - - - - -										15	7	16	3		
for Fuzes, and Corked - { 8 inch - - - - -										9,490	1,233	10	-		
Common, Empty, {										10-inch - - - - -	441	123	9	10	
										Elm Bottoms, { 8 „ - - - - -	431	69	11	4	
										Gun, and { 32-pounder - - - - -	70	6	5	4	
										Howitzer - { 24 „ - - - - -	2,561	176	4	5	
										Riveted to - { 18 „ - - - - -	15	-	17	2	
Teak Bottoms, Howitzer, 4 2/5 inch - - - - -										61 {	-	-	-		
Common, filled with Powder, and Riveted { 24-pounder - - - - -										500 {	48	10	3		
to Elm Bottoms, Gun, and Howitzer - { 12 „ - - - - -										200	22	2	7		
										525	51	18	1		
Diaphragm, Loose, prepared {										8-inch - - - - -	2,000	1,171	17	1	
										24-pounder - - - - -	5,277	1,246	17	1	
										18 „ - - - - -	1,881	347	5	2	
										12 „ - - - - -	7,017	1,032	13	4	
										9 „ - - - - -	6,280	773	9	9	
with Ball, -/58 Pattern - {										6 „ - - - - -	1,000	93	17	6	

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles &c.—continued.

DESCRIPTION OF ARTICLES.				Number or Quantity.	VALUE.					
Shells—continued.				S.	£.	s.	d.			
Diaphragm -/58 Pattern, filled with ball, and riveted to—										
Elm Bottoms -	{	Gun and Howitzer -	8-inch -	3,015	1,886	6	5			
			12-pounder -	1	-	3	2			
			9 " -	60	8	5	2			
			6 " -	1	-	2	-			
			5½-inch -	1	-	5	-			
Teak Bottoms -	{	Gun and Howitzer -	32-pounder -	2,000	652	5	5			
			24 " -	4,140	1,043	9	1			
			18 " -	1,000	200	10	5			
			12 " -	1,500	235	4	11			
			9 " -	500	68	16	-			
		Howitzer -	6 " -	384	38	19	9			
			5½-inch -	500	126	-	5			
			4½ " -	1,000	156	16	8			
			Hand Grenade, L. S., Empty - - - - -				5,015	113	5	1
			Martin, Riveted to Elm Bottoms, 8-inch, or 68-pounder -				31	5	9	-
Naval - - -	{	Empty, loose, prepared for bottoms <i>not</i> bushed, 10-inch - - - - -		50	94	-	4			
			Empty, loose, prepared for bottoms, 10-inch - - - - -	338						
		Empty, riveted to {	10-inch - - - - -	48	13	5	-			
			8-inch or 68- pounder - - - - -	8	1	9	4			
		Empty, fitted with {	32-pounder - - - - -	17	1	17	10			
			8-inch - - - - -	222	40	15	5			
		Key's plan - - - - -	32-pounder - - - - -	222	24	13	10			
			Naval, filled with powder, and riveted to teak bottoms, Pettman, 32-pounder - - - - -				12	1	19	9
		Slippers, Leather,								
		Magazine -	No. 7 size	- - - - -		30	34	1	3	
Bluchers, pairs -	No. 8 " -	- - - - -		30						
Shoes, Leather,	{	No. 6 " - - - - -		130	884	1	7			
			No. 7 " - - - - -					501		
			No. 8 " - - - - -					724		
			No. 9 " - - - - -					471		
			No. 10 " - - - - -					268		
			No. 11 " - - - - -					101		
Shot, Armstrong:										
Service - - -	{		110-pounder - - - - -	36	14	3	-			
			70 " - - - - -	450	120	6	-			
			20 " - - - - -	1	-	2	2			
			12 " - - - - -	2,000	146	6	3			
			Ditto, rounded off at the bottom edge	21						
			9-pounder - - - - -	45				2	18	1
			6 " - - - - -	1,005				48	1	10
			Shot—Case:							
Carronade, 32-pounder - - - - -				15	2	17	4			
Gun, with Iron Ends - - -	{		10-inch - - - - -	15	8	12	10			
			8-inch or 68-pounder	1,601	492	2	11			
			32-pounder - - - - -	1,200	259	5	9			
			24-pounder - - - - -	1,530	273	17	6			
Gun, with Wood Bottoms - -	{	Elm - {	12-pounder	460	43	12	8			
			6 " - - - - -	500	33	7	2			
			12 " - - - - -	300	28	9	1			
			9 " - - - - -	700	58	18	1			
		Teak - {	6 " - - - - -	700	46	14	2			
			3 " - - - - -	1,000	53	6	7			
			32 " - - - - -	650	108	-	5			
			24 " - - - - -	15	1	18	1			
Howitzer, L. S., with Wood Bot- toms - - -	{	Elm - {	5½-inch	60	7	12	5			
			24-pounder	1,600	203	4	-			
			12 " - - - - -	1,900	140	14	4			
		Teak - {	5½-inch	1,000	127	-	-			
			4½ " - - - - -	2,100	155	11	-			
			Howitzer, S. S., with Wood Bot- toms - - -							
Teak - {	24-pounder	1,000	146	19	4					
	12 " - - - - -	708	63	14	5					

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—*continued.*

DESCRIPTION OF ARTICLES.										Number or Quantity.	VALUE.							
Shot—continued.										S.	£. s. d.							
Grape	{	Carronade	{	32-pounder	-	-	-	-	15	4	-	6						
				12 „	-	-	-	-	600	82	4	3						
	{	Gun	{	8-inch or 68-pounder	-	-	-	-	3,021	994	1	11						
				56-pounder	-	-	-	-	15	4	8	6						
				32 „	-	-	-	-	2,905	608	13	9						
				24 „	-	-	-	-	5,300	820	-	5						
				12 „	-	-	-	-	1,601	153	-	10						
{		{	10-inch	-	-	-	-	15	6	1	7							
			3-pounder	-	-	-	-	60	2	10	7							
Manby's Cylindrical, Looped				{	24-pounder	-	-	-	240	159	-	7						
and Thonged				-	6 „	-	-	-	12	4	5	8						
Cast in Sand, 4 oz. - - - - - <i>cwts. qrs. lbs.</i>										9 0 0	4	1	9					
Pound, for Mortars, 13 and 10-inch, 100 each - <i>rounds</i>										600	288	17	6					
Round	{	Solid, Loose	{	68-pounder	-	-	-	-	16	2	2	3						
				32 „	-	-	-	-	8,000	716	13	4						
				12 „	-	-	-	-	45	2	4	-						
				3 „	-	-	-	-	60	-	15	3						
	{	Solid, Riveted to - - -	{	Elm	{	12-pounder Gun and Howitzer - -	60	3	14	6								
				Bottoms	{	Gun, 9-pounder -	1	-	1	-								
					Teak Bottoms, Gun, 3-pounder		1,000	22	2	1								
						{	Carbine, C.B.	{	-	-	-	108,036	}	60	11	8		
				<i>weight</i>	<i>cwts.</i>				<i>qrs. lbs.</i>	51 3 20								
				Dean and Adams' Revolver -	{				<i>weight</i>	<i>cwts.</i>	<i>qrs. lbs.</i>	10,510					}	3
2 3 24 ⁵ / ₁₆																		
Lancaster -	{	<i>weight</i>	<i>cwts.</i>									<i>qrs. lbs.</i>						
						107 3 22												
				1842 Pattern	{	<i>weight</i>	<i>cwts.</i>	<i>qrs. lbs.</i>	888,600	}	1,081		2	7				
913 3 2																		
1851 Pattern	{	<i>weight</i>	<i>cwts.</i>						<i>qrs. lbs.</i>			81,750			}	76	15	8
				69 0 11														
				1853 Pattern	{	<i>weight</i>	<i>cwts.</i>	<i>qrs. lbs.</i>		2,910,000	}	2,014	16	1				
1,922 2 20																		
1853 Proof	{	with paper at- tached, &c. -	{						<i>cwts.</i>	<i>qrs. lbs.</i>					50,000	}	68	18
				46 0 23														
	{		{	without paper attached -	{	<i>cwts.</i>	<i>qrs. lbs.</i>	61,000	}	63	6	-						
								56 1 13 ¹ / ₂										
Sockets:																		
Brass, for common shells, Armstrong										102	8	4	8					
Paper for Armstrong cartridges										99,725	543	5	10					
Sticks																		
Rocket	{	Fire	{	24-pounder	-	-	-	-	365	75	6	-						
				12 „	-	-	-	-	87	13	17	11						
				6 „	-	-	-	-	486	42	7	9						
	{	Signal	{	1 lb.	-	-	-	-	1,015	31	12	10						
				$\frac{1}{2}$ „	-	-	-	-	15	-	6	9						
Tables for mealng powder										1	4	18	7					
Taps, screw, Pettman										32	9	18	-					
Thongs for looped shot										30	4	-	4					

No. 3.—ROYAL LABORATORY, WOOLWICH—(C.) Manufactured Articles, &c.—continued.

DESCRIPTION OF ARTICLES.										Number or Quantity.	VALUE.		
Tubes :										S.	£.	s.	d.
Brass	-	-	-	-	-	-	-	-	-	67,800	205	10	4
Friction	{	Copper	-	-	-	-	-	-	-	287,464	967	15	11
		Quill	-	-	-	-	-	-	-	592,200	3,047	19	8
		Dummy, with tarred lan- yards at- tached	-	-	-	-	-	-	-	1,041	323	2	10
Magnetic	-	-	-	-	-	-	-	-	-	7,221	104	4	-
Quill	{	Common	-	-	-	-	-	-	-	10,000	14	12	11
		Cross-headed	-	-	-	-	-	-	-	74,000	213	7	4
		Friction, for practice only	-	-	-	-	-	-	-	2,400	12	7	-
Wads :													
Coal dust for 8 - inch gun car- tridges	{	Empty	-	-	-	-	-	-	-	5,300	90	18	7
		Filled	-	-	-	-	-	-	-	5,055	112	5	3
Gutta Percha for shells	{	Common	-	-	-	-	-	-	-	13,179	16	9	6
		Diaphragm	-	-	-	-	-	-	-	176,293	14	13	10
		Mortar	-	-	-	-	-	-	-	7,918	15	16	8
Papier Maché	{	For Boxer	Adapters for rifled ordnance	-	-	-	-	-	-	22,306	11	14	8
		For Shells	Common	-	-	-	-	-	-	45,050	23	13	11
			Diaphragm	{ 8-in. to 24-pounder 18 to 6 "	-	-	-	-	-	-	50 50	- -	- -
Wrappers :													
Waterproof, for bundles of cartridges	{	Colt's	-	-	-	-	-	-	-	2	1	17	11
		Dean's	-	-	-	-	-	-	-	2			
Paper, for S. A. cartridges, pistol	-	-	-	-	-	-	-	-	-	100			
Waterproof, for -/53 pattern S. A. cartridges	-	-	-	-	-	-	-	-	-	1,000			
Shot, 12-pounder, Armstrong	-	-	-	-	-	-	-	-	-	10	-	14	6
Cartridges, flannel, filled { 3 lbs. for Mr. W. Richards' 2 " 12-pounder B. L. gun { 1½ " with lubricators	{	-	-	-	-	-	-	-	-	2	-	4	8
		-	-	-	-	-	-	-	-	5	-	8	3
		-	-	-	-	-	-	-	-	13	1	1	3
TOTAL - - -										£.	270,385	18	4

6 December 1864.

E. M. Boxer,
Superintendent, Royal Laboratory.

No. 3.—ROYAL LABORATORY, WOOLWICH—*continued.*

STATEMENT (D.)—ROYAL LABORATORY, WOOLWICH.—ADDITIONS to PLANT in the Year 1863-4.

NATURE OF SERVICE.	AMOUNT.	NATURE OF SERVICE.	AMOUNT.
	£. s. d.		£. s. d.
Additions to wad machine - - -	88 12 6 $\frac{1}{2}$	Altering and adapting fuze machines for making clay plugs for S. A. cartridges.	30 4 5 $\frac{3}{4}$
Fitting up the iron building at the south-east end of shell foundry for the repair of war stores.	178 6 11 $\frac{1}{2}$	Making pressing machines for H. P. percussion caps.	756 19 2 $\frac{3}{4}$
Fitting and finishing turning lathe - -	83 18 10	Additions to four self-acting lathes for boring, turning, and screwing Armstrong's E. time fuzes.	100 4 8 $\frac{3}{4}$
Cast-iron weights for, and roofing in of, accumulator.	99 11 - $\frac{1}{2}$	Mould for making millboard - - -	1 - 3 $\frac{3}{4}$
Additions to machines for making percussion caps for revolvers.	13 12 2 $\frac{1}{2}$	Registering frame for printing lithograph targets for Enfield and O. S. Committee.	14 15 - $\frac{3}{4}$
Making railway trucks for the conveyance of stores, &c., for the department.	1,037 8 2 $\frac{3}{4}$	Fitting up plant of machinery for the manufacture of Boxer's wood time fuze, for Armstrong's shells.	278 17 2 $\frac{3}{4}$
Additions to plant for the manufacture of naval time fuzes.	167 8 8 $\frac{1}{2}$	Machine and tools for priming detonators for Boxer's fuze for rifle shells.	7 12 8 $\frac{1}{2}$
Additions to the plant of machinery for the manufacture of rocket cases.	908 9 - $\frac{3}{4}$	Additions to machinery for the manufacture of N. P. brass powder cases for 300-pounder ammunition.	946 - 4 $\frac{3}{4}$
Making punches and dies for the manufacture of parachute light balls.	196 13 8 $\frac{3}{4}$	Racks for holding printing type - - -	7 9 8 $\frac{1}{2}$
Making and painting benches in the paper factory.	216 7 2 $\frac{3}{4}$		
Machine for cutting leather collars and paper wads.	103 1 8 $\frac{1}{2}$		
		TOTAL - - - £.	5,236 14 - $\frac{1}{4}$

E. M. Boxer,
Superintendent, Royal Laboratory.

STATEMENT (E.)—CAPITAL ACCOUNT of the ROYAL LABORATORY, WOOLWICH ARSENAL, 1863-4.

<i>Dr.</i>				<i>Cr.</i>			
	£.	s.	d.		£.	s.	d.
To Balance—For Net Amount of Capital to the 31st March 1863, viz.:				By Productions, 1863-4—			
Buildings - - -	99,751	3	3	For one year's Depreciation on Plant, &c.:			
Machinery - - -	157,957	17	7	5 per cent. on buildings (99,751 l. 3s. 3 d., see per contra) - -	4,987	11	1
			257,709	10 per cent. on Machinery (157,957 l. 17s. 7 d., see per contra) - -	15,795	15	9
To Army Supplies, 1863-4—				By Sundry Departments:			
For Amount Expended during the year 1863-4, viz.:				For Machinery issued during 1863-4 - - -			20,783 6 10
New Buildings - - -	1,338	8	2				728 9 -
New Machinery - - -	1,324	2	2	By Balance, 1863-4—For Net Amount of Capital on 31st March 1864, viz.:			
			2,662 10 4	Buildings - - -	96,102	-	4
To Productions, 1863-4—For New Machinery added in the Department during the year 1863-4 - - -			5,236 14 -	Machinery - - -	147,994	9	-
							244,096 9 4
	£.	265,608	5 2		£.	265,608	5 2

E. M. Boxer,
Superintendent, Royal Laboratory.

ROYAL GAS FACTORY, WOOLWICH ARSENAL.

BALANCE SHEET of the ROYAL GAS FACTORY, ROYAL ARSENAL, WOOLWICH, 1863-4.

BALANCE SHEET of the ROYAL GAS FACTORY, ROYAL ARSENAL, WOOLWICH, 1863-4.									
Dr.					Cr.				
1 April 1863:					31 March 1864:				
			£.	s. d.			£.	s. d.	
To value of Buildings at this date	-	-	10,255	10 7 $\frac{3}{4}$	By Buildings as existing on 1 April 1863	-	-	10,255 10 7 $\frac{3}{4}$	
" " Machinery	-	-	11,724	16 5	Deduct Depreciation at 5 per Cent.	-	-	512 15 6 $\frac{1}{2}$	
" Stores in Stock	-	-	2,177	2 11 $\frac{1}{4}$		£.		9,742 15 1 $\frac{1}{2}$	
" Salaries	-	-	250	- -	Add, Buildings added during the Year	-	-	550 - -	
" Wages	-	-	2,488	18 - $\frac{3}{4}$	" Machinery as existing on 1 April 1863	-	-	11,724 16 5	
" Stores and Materials	-	-	5,809	9 11	Deduct Depreciation at 10 per Cent.	-	-	1,172 9 8	
" Gas Consumed	-	-	22	3 8 $\frac{1}{2}$		£.		10,552 6 9	
" Repairs to Buildings, &c.	-	-	459	4 9	Add, Machinery added during the Year	-	-	380 - -	
" New Machinery	-	-	380	- -	" Stores in Stock at this date	-	-	- - -	
" Buildings	-	-	550	- -	" Productions during the Year, viz.:—			- - -	
" Interest on Capital as above, viz.:—					Altering and repairing Gas Fittings, &c., in various Departments	-	-	487 7 4	
3 $\frac{1}{2}$ per Cent. on £. 24,157. 10 s.	-	-	-	-	Coke, Tar, Liquor, Breeze, &c.	-	-	1,517 13 1 $\frac{1}{2}$	
					Stores issued to other Departments	-	-	10 14 10 $\frac{1}{2}$	
					Gas produced, less Leakage, in the General Mains, &c., 56,562,445 Cubic Feet	-	-	9,086 12 6	
								11,412 7 10	
								£.	
								34,962 16 8 $\frac{1}{2}$	

H. W. S. Whiffin,
Chief Auditor.John Anderson,
Inspector of Machinery and Superintendent of Gas Works.

No. 5.

ROYAL SMALL ARMS FACTORY, ENFIELD.

(A.)—BALANCE SHEET of the ROYAL SMALL ARMS FACTORY, ENFIELD, 1863-4.

		Dr.	(A.)—BALANCE SHEET OF THE ROYAL SMALL ARMS FACTORY, ENFIELD, 1863-4.	Cr.
To Balance :				
For Stores in Stock on 1st April 1863	£.	s.	d.	£.
For semi-manufactured Articles in Stock, 1st April 1863	32,305	5	3	-
	25,598	7	7	-
Total				57,903
To Army Supplies.—For Cash advanced through the Paymaster General, and expended on the following Services during the year ended 31st March 1864 :				
Salaries	2,495	14	2	
Wages	97,657	9	7	
Wages to Men invalided upon Medical Certificate	569	15	10	
Stores, Materials, &c.	20,585	18	7	
Miscellaneous Services	1,161	9	-	
Police	576	-	-	
Divine Service and Schools	292	12	10	
Military Pay of Officers	366	-	-	
Repairs to Buildings, &c.	2,659	6	11	
New Buildings	223	16	7	
Rifle Range and Butt	9	6	-	
New Machinery	646	10	10	
Superannuations	269	12	3	
Total				127,513
To Miscellaneous Services, 1863-4.—For Expenditure not defrayed out of Army Supplies; viz.:				
Stationery	106	10	-	
Rental Value of Range and of Cottages occupied by Persons employed in the Factory not paying Rent	74	16	10	
Rates	109	-	-	
Total				290
To Sundry Departments, 1863-4.—For Stores, &c., received from various Sources				
				15,011
Total				200,718
To Balance :				
For Stores in Stock on 31st March 1864	£.	s.	d.	£.
For semi-manufactured Articles in Stock on 31st March 1864	24,838	-	-	-
	46,185	-	-	-
Total				71,203
By Capital Account :				
For New Buildings added during 1863-4	199	3	7	
For Rifle Range and Butt	9	6	-	
For New Machinery added during 1863-4	646	10	10	
Less charged to Whitworth Rifles direct	246	10	10	
Total				400
By Production Account :				
For Miscellaneous Services performed during 1863-4	8,720	6	3	
For Manufactures during 1863-4 : viz.—				
24,074 Rifles, Pattern 1853 (4 of these to Woolwich)	say	37	9½ each	
1,504 " Short (4 of these to Woolwich)	"	53	-	
14,700 Artillery Carabines	"	51	4	
3,180 Whitworth Rifles (with Steel Barrels)	"	88	8½	
2,250 Naval Rifles	"	52	10½	
6,220 Nipple Wrenches, Pattern 1853, with Cramps without	"	23	5¼	
48,300 " "	"	13	25	
75,830 Snap Caps and Chains	"	1	26	
53,100 Muzzle Stoppers	"	439	11	
30 Punches for Nipple Wrenches	"	1	98	
6,500 Brass Jags for Cavalry Carabines	"	1	90	
6,300 Chains for Snap Caps	"	77	14	
For New Buildings added in Department	"	20	17	
For New Machinery added in Department	"	24	13	
Less charged to Whitworth Rifles direct	"	1,074	16	
Total				120,543
By Sundry Departments :				
For Stores issued during 1863-64	4,859	9	10	
For Stores sold to Artificers and others	1,241	6	7	
For Wages and Stores applicable to the Model Branch (distinct from the General Factory), during 1863-64	2,442	15	4	
Total				8,543
Total				200,718

Note---The above results are exclusive of any charge for depreciation on Plant, &c. If a charge be raised for this item, viz., at 5 per cent. on Buildings and Tools, and 10 per cent. on Machinery, it would amount to £4216 l. 19 s. 9 d. and the cost of Productions would be enhanced by about 12·74 per cent. (see separate Statement of Capital Account). The Indirect Expenditure is distributed, *pro rata*, over the work performed, the general result being that this Expenditure is distributed according to the amount expended on Labour.

H. W. S. Whiffin,
Chief Auditor.

W. M. H. Dixon,
Lieut. Col. R. A. and Bt. Col., Superintendent.

(B.)—STATEMENT showing Cost and PRODUCTION for the Year ending 31st March 1864, prepared in accordance with War Office Order of 26th June 1861. ¹⁷⁷/₁₀₇₆ G.N.

Dr.

Cr.

	£.	s.	d.		£.	s.	d.
To Balance from 1st April 1863, comprising Land and Buildings, Tools, Machinery, &c., as per Account to 31st March 1863	263,862	4	3½	By Buildings and Land to 31st March 1863	77,298	5	6
				" " less depreciation, at 5 per cent.	3,864	18	3
" Buildings							
" Machinery				" New Account -			
" Stores				Rifle Range, &c.	223	16	7
" Salaries				" Machinery to 31st March 1863	7,089	7	9
" Wages				" " less depreciation, at 5 per cent.			
" Miscellaneous Expenses				" New Account -			
				Tools, net valuation	98,588	11	5½
				Components of Arms, &c. in conversion	669	18	9½
				Stores on hand	18,987	-	8
				Stores, Arms, &c. issued during past year, as follows, viz.:	46,185	-	9
				Superintendent of Stores, Tower—Arms, and Implements of various patterns, at cost price:	24,838	-	-
				24,074 Rifle Musket Pattern, 1853 - say at 41 1½ each			
				1,304 Short Rifles - " 57 8 "	49,478	18	4
				14,700 Artillery Carbines - " 55 10½ "	4,387	5	4½
				3,180 Whitworth Rifles - " 96 6½ "	41,085	2	3½
				2,280 Naval Rifles - " 57 6½ "	15,351	12	6½
				6,220 Nipple Wrenches, Sergeants' - " 2 1½ "	6,558	8	9½
				48,300 " " Privates' - " 1 2½ "	664	2	5½
				51,300 Muzzle Stoppers - " 2½ "	2,902	3	-½
				75,830 Snap Caps - " 1½ "	478	9	10½
				30 Punches - " 1½ "	434	11	9½
				6,500 Brass Jags - " 2 "	-	5	2
				6,300 Chams for Snap Caps - " 8 "	84	11	7
					22	14	2
				Superintendent of Stores, Tower—Sundries			
				Inspector of Small Arms, Liege	121,398	5	4
				Repairing Factory, Pinllico	8,720	6	3
				Secretary of State for War	20	13	3
				Inspector of Small Arms, Birmingham	1,939	19	2
				Ditto - Solingen	35	18	1
				Superintendent of Stores, Woolwich	39	12	7
				Powder Mills, Waltham Abbey	10	16	2
				Model Branch (Wages and Stores, distinct from General Factory)	26	4	2
				Stocks Account	70	1	3
				Open Accounts for Stores supplied to sundry Persons	2,442	15	4
				Stores sold to Artificers, and various other Persons, during past year	2,598	15	3½
					117	9	10½
					1,241	6	7
					408,677	6	7

H. J. Arbuthnot, Br. Major, R.A.,
Assistant Superintendent.

No. 5.—ROYAL SMALL ARMS FACTORY, ENFIELD—*continued.*

(C.)—CAPITAL ACCOUNT of the ROYAL SMALL ARMS FACTORY, ENFIELD, 1863-4.

Cr.

<i>Dr.</i>		£.	s.	d.	£.	s.	d.	£.	s.	d.
To Balance—For Net Amount of Capital to the 31st March 1863.— <i>See</i> Parliamentary Paper, No. 392, dated 14th June 1864, viz.:—										
Buildings and Land	-	77,298	5	6				3,864	18	3
Rifle Range and Butt	-	7,080	1	9						
Machinery	-	93,619	7	2½				990	2	10
Tools	-	19,802	15	4				9,361	18	8
					197,800	9	9½			
To Army Supplies, 1863-4—For Amount expended during the Year 1863-4, viz.:—										14,216 19 9
Buildings (New or Additions)	-	199	3	7						
Rifle Range and Butt	-		9	6						
Machinery (New purchased)	-	400	-	-				73,657	3	10
					608	9	7			
To Productions, 1863-4—For Additions in the Department during the Year 1863-4, viz.:—										
Buildings	-		24	13				7,089	7	9
Machinery	-		269	18	9½			84,927	7	4
Tools	-							18,812	12	6
					294	11	9½			
										184,486 11 5
					£.			£.		
					198,703	11	2			
										198,703 11 2

By Productions, 1863-4.—For one year's Depreciation on Plant, &c., viz.

5 per Cent. on Buildings, 77,298 *l.* 5 *s.* 6 *d.* -5 per Cent. on Tools, 19,802 *l.* 15 *s.* 4 *d.*, *see per contra* - - - - -10 per Cent. on Machinery, 93,619 *l.* 7 *s.* 2½ *d.*, *see per contra* - - - - -

By Balance—For Net Amount of Capital on the 31st March 1864, viz.:

Buildings and Land - - - - -

Rifle Range and Butt - - - - -

Machinery - - - - -

Tools - - - - -

ROYAL GUNPOWDER FACTORY, WALTHAM ABBEY.

PRINTED AND SOLD BY THE ROYAL GUNPOWDER FACTORY, WALTHAM ABBEY, 1863-4.

Dr.	Cr.
To Balance :— For Stores, &c. in Stock, on 1st April 1863 - - - - - For semi-manufactured Articles in Stock, 1st April 1863 - - - - -	£. s. d. 111,394 13 7 2,599 17 4
To Army Supplies, 1863-4—For Cash Advances through the Paymaster General, and expended on the following Services, during the Year ended 31st March 1864, viz.:— Salaries - - - - - Wages - - - - - Stores, Material, &c. - - - - - Miscellaneous Services - - - - - Wages to Men invalided upon Medical Certificate - - - - - Divine Service and Schools - - - - - Medical Expenses - - - - - Repairs and Alterations to Buildings - - - - - Ditto - - - - - New Buildings - - - - - New Machinery - - - - - Military Pay of Officers - - - - - Superannuations - - - - - Rates (Arrears of) - - - - - Gas (purchased from Contractor) - - - - -	£. s. d. 111,394 13 7 2,599 17 4 2,017 17 2 9,648 8 4 14,790 17 5 516 19 10 99 7 22 100 - - - 84 16 11 1,617 7 11 23 6 9 2,943 14 5 213 7 - 775 12 6 601 6 11 206 12 4 32 6 9
To Miscellaneous Services, 1863-4—For Amount not defrayed out of Army Supplies, viz.:— Stationery - - - - - Rates paid by Treasury - - - - - To Sundry Departments, 1863-4—For Stores, &c. received from various sources during the Year 1863-4 - - - - - To Rental Value of Houses and Cottages occupied by Officers and others - - - - -	£. s. d. 33,672 1 5 43,722 11 - 191,389 3 4
By Balance :— Stores, &c. in Stock on 31st March 1864 - - - - - Semi-manufactured Articles in Stock on 31st March 1864 - - - - - By Capital Account :— New Buildings added during 1863-4 - - - - - Machinery issued during 1863-4 - - - - - New Tools and Miscellaneous Plant issued during 1863-4 - - - - - By Production Account :— Miscellaneous Services performed during 1863-4 - - - - - By Powder { 1,576 Barrels, E.R. and Experimental, at - - - - - 17,579 " L.G. Rifle and Com. L.G., at - - - - - 9 " Pte Coal - - - - - 115 " Meal - - - - - 19,279 - - - - - Stores issued to other Departments during 1863-4 - - - - - Sale of Old Stores - - - - -	£. s. d. 119,755 8 3 3,567 1 2 2,943 14 5 261 4 4 1,463 5 6 404 12 9 5,656 11 1 43,065 8 10 17 9 6 196 1 9 14,011 18 10 46 7 2 14,058 6 1
Memorandum.—The above results are exclusive of any charge for Depreciation on Plant, &c. If a charge be raised for this item at 5 per cent. for Buildings and Tools, and 10 per cent. for Machinery, it would amount to 10,951 l. 14 s. 0 1/2 d., and the cost of production would be enhanced by 20-36 per cent. (See separate Statement of Capital Account). The Indirect Expenditure is distributed over the Productions as a per-centage on the direct labour.	

H. W. S. Whiffin, Chief Auditor.

RETURN of the ANNUAL ACCOUNTS of the
several MANUFACTURING ESTABLISHMENTS under
the WAR OFFICE, for the Year 1863-4 (in
continuation of Parliamentary Paper, No. 392.
of Session 1864).

(*Marquis of Hartington.*)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

[*Price 1s. 2d.*]

463.

Under 12 oz.

MILITARY KNIGHTS OF WINDSOR.

RETURN to an Address of the Honourable The House of Commons,
dated 8 May 1865;—for,

“RETURN stating the Amount of FEES paid by the MILITARY KNIGHTS of WINDSOR on Appointment to the LOWER FOUNDATION; the Amount of FEES paid on Removal to the ROYAL FOUNDATION; to whom the FEES are paid; PAY received by the KNIGHTS on the LOWER FOUNDATION; and, PAY received by the KNIGHTS on the ROYAL FOUNDATION.”

FEES Paid by each KNIGHT.

On Appointment to Lower Foundation.		On Removal to Royal Foundation.	To whom Paid, in each Case.
	£. s. d.		
Fee on the Patent of Appointment - - - - -	4 7 6	The same -	The 4 l. 7 s. 6 d. is paid to the Chancellor's Secretary for correspondence, drawing and engrossing (on vellum) the Letters Patent, and the expense of the Seal, in a tin case, &c.
Fees to the youngest Choristers of St. George's Chapel, Windsor - - - - -	- 17 10		
TOTAL - - - £.	5 5 4		The 17 s. 10 d. to the Lay Clerk of the Canons of Windsor.

ANNUAL AMOUNT of FEES Received by each KNIGHT.

On the Lower Foundation.	On the Royal Foundation.
£. s. d.	£. s. d.
About - - - - 35 17 7	About - - 39 9 4 ordinary;
	and - - 60 - - more or less, from the suppressed Canonry.
	TOTAL - - £.99 9 4

Diocese of Oxford, }
19 May 1865. }

S. Oxon,
Chancellor of the Order of the Garter.

MILITARY KNIGHTS OF WINDSOR.

RETURN stating the Amount of Fees Paid by the
MILITARY KNIGHTS of WINDSOR on Appointment to the LOWER FOUNDATION; the Amount of Fees Paid on Removal to the ROYAL FOUNDATION; to whom Fees are Paid; Pay Received by KNIGHTS on the LOWER FOUNDATION; and, Pay Received by KNIGHTS on the ROYAL FOUNDATION.

(Colonel North.)

*Ordered, by The House of Commons, to be Printed,
23 May 1865.*

MILITARY RESERVE FUNDS.

A C C O U N T

OF

THE MILITARY RESERVE FUNDS

FOR THE YEAR

From the 1st day of April 1864 to the 31st day of March 1865.

War Office, }
5 May 1865. }

HARTINGTON.

(PRESENTED TO PARLIAMENT BY HER MAJESTY'S COMMAND.)

Ordered, by The House of Commons, to be Printed,
5 May 1865.

THE RESERVE FUND ACCOUNT, - - -

HOW EXPENDED.

	£.	s.	d.
Paid in buying out officers in regiments liable to reduction, thereby saving half-pay, or absorbing officers who had been retained as supernumerary upon full pay - - - - -	2,950	-	-
Paid in purchasing the commissions of 11 officers upon half-pay who desired to sell, thereby saving 1,578 <i>l.</i> 12 <i>s.</i> 6 <i>d.</i> a year upon the Half-pay Vote - - - - -	30,489	-	-
Paid to officers of cavalry on retirement from that branch of the service, in consequence of the reduction in the prices formerly paid for Cavalry commissions - - - - -	29,060	-	-
Paid to officers and privates of the corps of Gentlemen-at-Arms, in which the system of purchase has been abolished, the appointments in succession having been given to old officers of the army as a reward for past service - - - - -	7,200	-	-
Paid to the Yeomen of the Guard, in a similar manner - - - - -	Nil.		
Paid to officers on re-consideration of the amount to be allowed for the sale of their commissions - - - - -	50	-	-
Paid on investment in Exchequer Bills - - - - -	326	11	6
Paid towards gradual conversion of the Military Train into a non-purchase corps - - - - -	2,250	-	-
Borrowed to carry out sales of commissions, and returned - - - - -	11,625	-	-
Borrowed sums, outstanding on 31 March 1865, to be returned as vacancies are filled up - - - - -	3,975	-	-
Balance in hand to 31 March 1865 :—			
Cash - - - - -	£. 11,347	10	5
Exchequer Bills - - - - -	44,800	-	-
	56,147	10	5
	£. 144,073	1	11

- - - FROM 1 APRIL 1864 TO 31 MARCH 1865.

HOW AUGMENTED.

		£.	s.	d.
Balance in hand on 31 March 1864 :—				
Cash	- - - - - £. 4,574	5	4	
Exchequer Bills	- - - - - 34,800	-	-	
		39,374	5	4
By officers selling out, and not being entitled, by length of service, &c., to the full value of their commissions - - - - -		23,920	-	-
By sale of commissions in succession to officers placed on the super-numerary, seconded, retired full-pay and half-pay lists - - -		56,065	-	-
By transfer from Foot Guards Account of the sum paid in succession to a Guards officer who was placed on half-pay of the Line - - -		4,500	-	-
By sale of first commissions, on augmentation of the army - - -		Nil.		
By return of money which had been borrowed to carry out sales -		11,625	-	-
By interest on Exchequer Bills - - - - -		888	16	7
By sums outstanding on 31 March 1864, collected during the year -		7,700	-	-
		£.	144,073	1 11

THE FOOT GUARDS RESERVE FUND ACCOUNT, - -

HOW EXPENDED.

	£.	s.	d.
Paid in buying out supernumeraries, caused by the appointment of pages of honour to commissions - - - - -	-	Nil.	
By transfer to Line account of the sum paid in succession to an officer of the Foot Guards placed on half-pay of the Line - - - -	4,500	-	-
Balance in hand on 31 March 1865:—			
Cash - - - - -	£. 8,286	16	2
Exchequer Bills - - - - -	16,800	-	-
		25,086	16 2
	£.	29,586	16 2

- - - FROM 1 APRIL 1864 TO 31 MARCH 1865.

HOW AUGMENTED.

	£.	s.	d.
Balance in hand on 31 March 1864 :—			
Cash - - - - -	£.8,296	1	1
Exchequer Bills - - - - -	16,800	-	-
		25,096	1 1
By officers, on selling out, receiving sums which were short of the full value of their commissions - - - - -		3,925	- -
By interest on Exchequer Bills - - - - -		565	15 1
	£.	29,586	16 2

Edward Lugard.

MILITARY RESERVE FUNDS.

ACCOUNT

OF

THE MILITARY RESERVE FUNDS

FOR THE YEAR

From 1 April 1864 to 31 March 1865.

(Presented to Parliament by Her Majesty's Command.)

*Ordered, by The House of Commons, to be Printed,
5 May 1865.*

253.

Under 1 oz.

MILITARY SAVINGS BANKS.

ACCOUNT of the Amount due by the Public to DEPOSITORS in MILITARY SAVINGS BANKS on the 31st March 1863, and of the Receipts, Interest, and Disbursements in the said Military Savings Banks, during the Year next ensuing, ending on the 31st March 1864, including the Amount due on account of ARMY CHARITABLE FUNDS, and of the subsequent Receipts, Interest, and Disbursements on account thereof, to the 31st March 1864; also, an Account of the SUMS paid over by the Secretary of State for War to the Commissioners for the Reduction of the National Debt, for Investment in Bank Annuities on account of the Fund for Military Savings Banks; and of the DIVIDENDS reported to the Secretary of State for War by the said Commissioners to have been received thereon, and invested in farther Aid of the Fund for Military Savings Banks. (Pursuant to Act 22 & 23 Vict. c. 20.)

War Office, }
6 May 1865. }

DE GREY AND RIPON.

	£.	s.	d.	£.	s.	d.
Balance due by the Public on the 31st March 1863 - - - - -	-	-	-	279,091	9	1½
Deposits in Military Savings Banks during the year ended on the 31st March 1864 - - - - -	143,702	-	7½			
Amount received on account of Army Charitable Funds during the year ended on the 31st March 1864 - - - - -	1,253	9	11½	144,955	10	6½
Interest allowed during the year 1863-64 on Deposits in Military Savings Banks	5,756	15	3½			
Interest allowed during the year 1863-64 on Army Charitable Funds - - -	1,580	1	5½	7,336	16	8½
				431,383	16	4½
Withdrawals from Military Savings Banks during the year 1863-64 - - -	136,967	8	-½			
Disbursements from Army Charitable Funds during the year 1863-64 - - -	2,203	12	10	139,171	-	10½
				292,212	15	6½
Balance due by the Public on the 31st March 1864 - - - - -	£.					

Number of Accounts open on the 31st March 1864 - - - - 17,911

	£.	s.	d.	£.	s.	d.
Net Amount paid over to the Commissioners for the Reduction of the National Debt on account of the Fund for Military Savings Banks (inclusive of Army Charitable Funds) for previous years, together with Dividends received thereon, and similarly invested up to the 31st March 1863 - - - - -	296,232	19	10			
Add,—Further Amount paid over to the Commissioners, in consequence of excess of receipts over disbursements, during the year ended on the 31st March 1864 - - - - -	5,784	9	8	302,017	9	6
Add,—Further Dividends received on account of the Fund for Military Savings Banks up to the 5th April 1864, and invested in further aid thereof - - - - -				14,418	12	3
				316,436	1	9
Add,—Further Dividends received and similarly invested up to the 5th April 1865 - - - - -				10,042	13	10
TOTAL Amount of the Fund for Military Savings Banks up to the date of this Account - - - - -	£.			326,478	15	7

War Office, 6 May 1865.

De Grey and Ripon.

MILITARY SAVINGS BANKS.

ACCOUNT of the Amount due by the Public to
DEPOSITORS in MILITARY SAVINGS BANKS on
31st March 1863, and of the Receipts, Interest,
and Disbursements during the Year ending
31st March 1864; &c. (Pursuant to Act
22 & 23 Vict. c. 20.)

(Presented by Command of Her Majesty.)

Ordered, by The House of Commons, to be Printed,
16 May 1865.

MILITIA REGIMENTS (ESTABLISHMENT).

RETURN to an Address of the Honourable The House of Commons,
dated 27 February 1865;—for,

“RETURN showing the ESTABLISHMENT of each REGIMENT of MILITIA in
the UNITED KINGDOM; the Numbers Present, Absent, and Wanting to
Complete for the Training of 1864 (in continuation of Parliamentary
Paper, No. 241, of Session 1864).”

War Office, }
31 March 1865. }

HARTINGTON.

(Colonel Forde.)

Ordered, by The House of Commons, to be Printed,
3 April 1865.

RETURN showing the ESTABLISHMENT of each Regiment of MILITIA in the UNITED KINGDOM, the Numbers Present, Absent, and Wanting to Complete for the Training of 1864.

REGIMENT.	Establishment.			Present at Training, 1864, Day of Inspection.			Absent from Training, 1864, Day of Inspection.							Wanting to Complete, 1864.			REMARKS.
	Officers.	Non-Commissioned Officers.	Privates.	Officers.	Non-Commissioned Officers.	Privates.	Officers with Leave.	Officers without Leave.	Non-Commissioned Officers with Leave.	Non-Commissioned Officers without Leave.	Privates with Leave.	Privates without Leave.	Officers.	Non-Commissioned Officers.	Privates.		
ENGLAND AND WALES.																	
Anglesey -	12	14	267	10	11	188	-	-	-	-	6	11	2	3	62	2 supernumerary non-commissioned officers.	
Bedford -	25	25	579	14	26	536	1	-	1	-	10	32	10	-	1		
Berks -	31	33	811	20	31	710	3	1	-	-	20	73	7	2	8		
Brecon -	15	16	299	8	9	272	-	-	-	-	8	13	7	5	6		
Bucks -	31	32	782	18	29	623	2	-	2	-	64	29	11	3	66	19 supernumerary privates.	
Cambridge -	31	35	872	10	34	829	4	-	1	-	7	22	17	-	14		
Cardigan -	13	12	314	10	9	207	-	-	-	-	-	16	3	3	91		
Carmarthen Artillery -	22	23	508	8	15	251	1	-	-	-	6	3	13	8	248		
Carnarvon -	20	21	407	7	16	362	-	-	1	-	1	63	13	4	-		
Cheshire, 1st -	37	40	1,043	15	36	852	7	-	1	-	9	81	15	3	101		
Cheshire, 2d -	37	42	1,094	13	33	747	3	1	-	-	-	74	20	9	273		
Cornwall Rangers -	43	47	1,269	21	43	851	3	-	-	-	8	47	19	4	363		
Cornwall Miners Artillery -	16	18	378	12	18	325	-	-	-	-	5	34	4	-	14		
Cumberland -	31	36	913	18	31	670	6	-	-	-	18	33	7	5	192		
Denbigh -	16	20	450	8	14	429	2	-	-	-	-	20	6	6	1	1 supernumerary non-commissioned officer.	
Derby, 1st -	31	34	835	15	32	634	3	1	-	-	17	31	12	2	153		
Derby, 2d -	24	26	592	13	25	510	6	-	2	-	22	19	5	-	41		
Devon, 1st -	37	40	1,043	24	38	695	5	-	-	-	6	57	8	2	285		
Devon, 2d -	37	40	1,043	30	34	708	1	-	1	-	6	55	6	5	274		
Devon Artillery -	16	20	383	11	14	337	2	-	-	-	27	16	3	6	3		
Dorset -	31	34	849	20	31	686	1	-	-	-	10	34	10	3	119		
Durham, 1st -	31	30	731	16	29	626	3	-	-	-	10	60	12	1	35		
Durham, 2d -	31	30	731	18	23	475	1	-	-	-	4	49	12	7	203		
Durham Artillery -	16	18	378	12	18	345	1	-	-	-	9	15	3	-	9		
Essex, East -	31	35	879	16	32	698	3	1	-	-	40	45	11	3	96		
Essex, West -	31	35	879	15	31	758	2	-	1	-	26	36	14	3	59		
Flint -	16	16	330	10	15	321	-	-	1	-	5	3	6	1	1		
Glamorgan -	31	33	834	16	27	701	1	-	-	-	10	98	14	6	25		
Glamorgan Artillery -	12	15	298	7	14	149	1	-	-	-	5	26	4	1	118		
Gloucester, 1st -	37	40	1,043	27	31	682	2	-	-	-	1	25	8	9	335		
Gloucester, 2d -	37	40	1,036	25	29	765	6	-	-	-	8	59	6	11	204		

Hampshire	37	39	992	17	36	658	-	-	-	1	8	64	20	2	262
Hampshire Artillery	21	23	521	12	22	512	4	-	-	-	12	42	5	1	153
Hereford	25	25	562	19	22	552	-	-	-	-	-	10	6	3	-
Hertford	31	32	799	16	28	669	3	-	-	1	8	48	12	3	74
Huntingdon	15	16	310	11	13	275	-	-	-	-	-	18	4	3	17
Isle of Wight Artillery	16	16	300	11	16	261	-	-	-	-	11	13	5	-	15
Kent, East	37	40	1,043	20	36	714	5	-	1	-	2	102	12	3	225
Kent, West	37	40	1,043	16	36	749	2	-	-	-	11	83	19	4	200
Kent Artillery	24	27	626	13	24	427	3	-	-	-	7	34	8	3	158
Lancashire, 1st	43	47	1,252	20	43	1,043	4	-	-	-	-	209	19	4	-
Lancashire, 2d	43	47	1,252	21	40	1,075	2	1	1	-	32	137	19	6	8
Lancashire, 3d	43	47	1,252	20	45	1,023	5	-	-	-	27	64	18	2	138
Lancashire, 4th	43	47	1,252	24	45	1,009	3	-	-	-	7	61	16	2	175
Lancashire, 5th	43	47	1,252	17	44	727	5	-	-	1	4	55	21	2	466
Lancashire, 6th	43	47	1,252	17	41	697	3	-	-	-	-	187	23	6	368
Lancashire, 7th	43	47	1,252	22	28	726	5	-	9	-	88	112	16	10	326
Lancashire Artillery	25	28	673	15	20	501	3	-	-	-	15	103	7	8	54
Leicester	37	42	1,090	18	35	974	4	-	-	-	10	45	15	7	61
Lincoln, North	37	38	984	19	32	872	2	-	-	-	32	54	16	6	26
Lincoln, South	37	38	984	20	32	632	2	-	-	-	8	40	15	6	304
London	37	27	630	24	29	580	1	-	-	1	3	62	12	-	-
Merioneth	9	12	184	5	11	168	4	-	-	-	2	10	-	1	4
Middlesex, 1st	37	42	1,095	22	32	573	5	-	2	-	10	85	10	8	427
Middlesex, 2d	37	42	1,095	18	34	498	5	-	-	1	15	84	14	7	498
Middlesex, 3d	37	41	1,083	19	36	643	3	-	-	-	21	97	16	5	322
Middlesex, 4th	37	40	1,043	22	38	632	3	-	-	-	28	83	12	2	300
Middlesex, 5th	37	40	1,043	22	35	661	5	-	-	1	19	114	10	4	249
Monmouth	31	32	783	20	25	675	4	-	-	-	23	43	7	7	42
Montgomery	16	16	326	9	13	299	2	-	-	-	-	9	5	3	18
Norfolk, 1st	24	30	713	14	30	644	2	-	-	-	15	44	8	-	10
Norfolk, 2d	24	30	713	15	30	664	2	1	-	-	4	24	6	-	21
Norfolk Artillery	25	27	626	15	27	526	2	-	-	-	31	19	8	-	50
Northampton and Rutland	43	43	1,131	20	38	1,043	6	-	-	1	-	56	17	4	32
Northumberland	37	39	1,042	17	30	762	1	-	5	-	67	75	19	4	138
Northumberland Artillery	16	19	357	9	18	319	2	-	1	-	20	11	5	-	7
Nottingham	43	47	1,276	19	39	985	1	-	-	-	13	55	23	8	222
Oxford	31	33	807	18	27	717	4	-	-	-	5	48	9	6	37
Pembroke Artillery	16	19	401	7	18	367	5	-	-	-	7	18	4	1	9
Radnor	9	9	125	6	8	123	2	-	-	-	3	4	1	1	-
3 supernumerary non-commissioned officers, and 15 supernumerary privates.															
5 supernumerary privates.															

RETURN showing the Establishment of each Regiment of Militia in the United Kingdom, the Numbers Present, Absent, and Wanting to Complete for the Training of 1864—continued.

REGIMENT.	Establishment.			Present at Training, 1864, Day of Inspection.			Absent from Training, 1864, Day of Inspection.						Wanting to Complete, 1864.			REMARKS.
	Officers.	Non-Commissioned Officers.	Privates.	Officers.	Non-Commissioned Officers.	Privates.	Officers with Leave.	Officers without Leave.	Non-Commissioned Officers with Leave.	Non-Commissioned Officers without Leave.	Privates with Leave.	Privates without Leave.	Officers.	Non-Commissioned Officers.	Privates.	
ENGLAND and WALES—contd.																
Shropshire -	37	42	1,103	21	40	998	1	-	-	-	32	53	16	2	20	
Somerset, 1st -	37	39	1,015	20	31	940	5	-	-	-	7	31	12	8	37	
Somerset, 2d -	37	39	1,015	20	32	755	2	-	2	-	52	18	15	5	190	
Stafford, 1st -	37	39	1,009	16	36	862	6	-	-	-	77	64	15	1	6	
Stafford, 2d -	37	39	992	23	37	871	7	-	-	-	14	23	7	2	84	
Stafford, 3d -	37	39	992	21	37	839	6	-	-	-	33	12	10	2	108	
Suffolk Artillery -	21	24	548	12	21	312	1	-	-	-	6	26	8	3	204	
Suffolk, West -	37	40	1,043	18	34	993	3	-	-	-	13	36	16	6	1	
Surrey, 1st -	37	40	1,040	18	36	814	4	1	-	-	114	72	14	4	40	
Surrey, 2d -	37	40	1,033	23	37	563	1	-	-	-	32	48	13	3	390	
Surrey, 3d -	37	40	1,033	22	39	855	2	-	-	-	16	53	13	1	109	
Sussex -	37	41	1,062	25	37	590	-	-	-	-	35	59	12	4	378	
Sussex Artillery -	21	23	521	12	18	338	2	-	1	-	3	34	7	4	146	
Tower Hamlets, 1st -	37	45	1,207	18	39	831	4	-	-	-	14	85	15	6	277	
Tower Hamlets, 2d -	37	45	1,207	19	33	621	3	-	1	-	-	99	15	11	487	
Warwick, 1st -	37	43	1,120	17	39	810	-	1	1	-	14	65	19	3	231	
Warwick, 2d -	37	43	1,120	17	35	674	4	-	-	1	23	109	16	7	314	
Westmoreland -	12	15	281	6	14	255	2	-	-	-	13	8	4	1	5	
Wiltshire -	37	46	1,215	20	39	817	-	-	-	-	9	34	17	7	355	
Worcester -	43	48	1,320	21	49	948	6	-	-	-	6	22	16	-	344	1 supernumerary non-commissioned officer.
York, East -	31	31	752	16	28	483	7	1	-	-	18	49	7	3	202	
York, North -	31	31	752	15	23	434	1	-	-	-	6	22	15	8	290	
York (East and North) Artillery.	25	25	563	13	20	325	2	-	-	-	3	26	10	5	209	
York, West, 1st -	37	41	1,084	14	31	900	6	-	-	1	22	144	17	9	18	
York, West, 2d -	37	41	1,080	18	39	735	3	-	-	-	5	45	16	2	295	
York, West, 3d -	37	41	1,080	15	41	874	9	1	-	-	11	87	12	-	108	
York, West, 4th -	37	41	1,080	16	39	661	4	-	-	-	9	52	17	2	358	
York, West, 5th -	37	41	1,080	19	38	636	2	-	-	-	8	48	16	3	388	
York, West, 6th -	37	41	1,080	18	36	602	7	-	2	-	77	52	12	3	349	
TOTAL, ENGLAND and Wales -	3,053	3,324	83,460	1,629	2,914	62,055	282	10	35	10	1,608	5,077	1,132	372	14,759	

SCOTLAND:

Aberdeen	31	32	774	14	25	641	5	-	2	-	35	45	12	5	53	21 supernumerary privates.
Argyll Artillery	17	19	398	11	17	353	-	-	1	-	-	33	6	2	12	
Ayr	37	35	879	19	34	868	6	-	-	-	2	30	12	1	-	
Dumfries	31	29	694	12	29	644	5	1	-	-	2	35	13	-	13	
Edinburgh, County	25	27	683	19	26	658	2	-	1	-	10	15	4	-	-	5 supernumerary privates.
Edinburgh, City Artillery	13	16	234	10	14	209	-	-	1	-	1	29	3	1	-	
Fife Artillery	25	27	568	14	27	440	1	-	-	-	8	25	10	-	95	
Forfar Artillery	31	33	910	16	33	646	4	-	-	-	4	65	11	-	95	
Haddington, &c. Artillery	17	19	432	12	16	341	-	-	1	-	15	21	5	2	55	13 supernumerary privates.
Inverness	31	29	722	14	29	693	4	-	-	-	20	22	13	-	-	
Lanark, 1st	37	39	998	14	34	634	6	-	-	1	10	89	17	4	265	
Lanark, 2d	37	39	999	15	39	639	2	-	-	-	12	54	20	-	294	
Perth	25	24	517	15	23	479	-	1	-	-	3	29	9	-	6	
Renfrew	25	25	584	12	24	519	-	2	-	-	8	49	11	1	8	16 supernumerary privates.
Ross	25	23	537	12	21	504	3	-	-	-	8	41	10	2	-	
Stirling	25	25	623	13	20	544	6	-	-	-	17	46	6	5	16	
TOTAL, SCOTLAND	432	441	10,452	222	411	8,812	44	4	6	1	155	628	162	23	912	

IRELAND:

Antrim	37	40	1,043	18	40	961	5	1	-	-	2	55	13	-	25	1 supernumerary private.
Antrim Artillery	24	26	601	12	26	568	5	2	-	-	4	28	5	-	4	
Armagh	31	33	834	12	33	761	3	-	-	-	32	34	16	-	7	
Armagh Artillery	3	4	104	1	2	61	-	-	-	-	3	5	2	2	35	
Carlow	18	16	325	10	15	323	2	1	1	-	2	1	5	-	-	
Cavan	31	34	849	12	31	721	4	-	-	2	10	81	15	1	37	
Clare	37	39	1,019	20	39	846	6	-	-	-	14	153	11	-	6	
Cork, North	37	40	1,043	17	30	694	4	1	-	-	8	76	15	10	265	
Cork, South	37	40	1,043	15	36	803	10	1	-	-	10	102	11	4	128	
Cork, West, Artillery	24	27	648	10	23	499	5	3	1	-	10	61	6	3	78	
Cork, City Artillery	17	18	383	12	18	326	2	-	-	-	-	37	3	-	20	
Donegal	31	33	834	19	33	690	5	2	-	-	6	39	5	-	100	
Donegal Artillery	17	18	388	11	18	349	-	-	-	-	5	25	6	-	9	

RETURN showing the Establishment of each Regiment of Militia in the United Kingdom, the Numbers Present, Absent, and Wanting to Complete for the Training of 1864—*continued*.

REGIMENT.	Establishment.			Present at Training, 1864, Day of Inspection.			Absent from Training, 1864, Day of Inspection.						Wanting to Complete, 1864.			REMARKS.
	Officers.	Non-Commissioned Officers.	Privates.	Officers.	Non-Commissioned Officers.	Privates.	Officers with Leave.	Officers without Leave.	Non-Commissioned Officers with Leave.	Non-Commissioned Officers without Leave.	Privates with Leave.	Privates without Leave.	Officers.	Non-Commissioned Officers.	Privates.	
IRELAND—continued.																
Down, North	31	33	884	13	33	756	4	—	—	—	4	24	14	—	50	1 supernumerary non-commissioned officer.
Down, South	31	30	702	14	28	668	2	—	—	—	6	18	15	2	15	
Dublin, County	31	28	670	19	25	568	6	—	—	—	27	47	6	3	28	
Dublin, City	31	33	834	22	30	740	—	1	2	—	22	67	8	1	5	
Dublin, City Artillery	17	16	334	13	17	304	—	—	—	—	5	22	4	—	3	
Fermanagh	25	24	557	15	20	446	—	—	—	—	4	42	10	4	65	Not formed.
Galway	37	40	1,043	18	28	617	9	1	2	1	2	98	9	9	326	
Galway Artillery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7 supernumerary privates. 2 supernumerary non-commissioned officers.
Kerry	37	43	1,142	24	39	899	5	—	—	2	23	214	8	2	6	
Kildare	18	21	475	10	21	417	2	—	—	—	4	27	6	—	27	
Kilkenny	31	31	751	16	29	645	2	1	—	2	16	97	12	—	—	
King's County	25	24	542	14	24	470	5	—	—	2	5	50	6	—	17	
Leitrim	25	24	551	16	20	436	3	1	—	—	1	77	5	4	37	22 supernumerary privates. Not formed.
Limerick, County	37	39	1,014	25	39	755	2	2	—	—	7	107	8	—	145	
Limerick, City Artillery	13	13	237	9	13	224	2	—	—	—	1	34	2	—	—	
Londonderry	31	33	834	16	31	708	5	1	—	—	17	33	9	2	76	
Londonderry Artillery	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Longford	19	18	402	9	18	336	2	—	—	—	2	38	8	—	26	
Louth	24	23	514	11	22	470	2	3	—	—	6	37	8	1	1	
Mayo, North	25	27	653	15	24	534	2	—	—	2	4	73	8	1	42	
Mayo, South	25	27	653	9	22	559	2	2	—	—	1	83	12	5	10	
Meath	25	29	693	17	28	476	3	—	—	—	11	46	5	1	160	
Monaghan	25	28	674	17	25	578	2	—	—	—	2	43	6	3	51	
Queen's County	25	24	545	13	24	495	3	—	—	—	2	48	9	—	—	
Roscommon	31	34	847	17	31	607	5	3	—	—	13	101	6	3	126	
Sligo	25	26	616	17	25	505	1	—	—	—	3	59	7	1	49	

Tipperary Artillery Tipperary, 2d Tyrone Tyrone Artillery	31	33	834	15	32	749	4	-	-	-	5	80	12	1	-	
	-	31	785	11	30	437	7	2	-	-	10	61	11	-	227	
	-	37	1,043	21	29	823	4	-	-	-	29	87	12	11	104	
	-	10	195	4	11	187	-	-	-	-	1	8	6	1	-	
	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
I supernumerary private.																
Waterford Artillery Westmeath Wexford Wicklow	31	31	775	15	31	504	5	-	-	-	2	59	11	-	210	
	-	24	550	14	23	467	4	-	-	-	-	44	7	1	39	
	-	31	852	15	31	721	3	-	-	-	4	40	13	3	87	
	-	22	492	10	19	466	2	1	3	-	8	16	4	-	2	
	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL, IRELAND		1,201	1,262	30,710	643	1,166	25,169	149	29	9	11	352	2,572	380	79	2,648

RECAPITULATION.

YEAR 1864.	Establishment.			Present at Training, 1864, Day of Inspection.			Absent from Training, 1864, Day of Inspection.						Wanting to Complete, 1864.					
	Officers.	Non-Commissioned Officers.	Privates.	Officers.	Non-Commissioned Officers	Privates.	Officers with Leave.		Officers without Leave.		Non-Commissioned Officers with Leave.		Non-Commissioned Officers without Leave.		Privates without Leave.	Officers.	Non-Commissioned Officers.	Privates.
ENGLAND and WALES	3,053	3,324	83,460	1,629	2,914	62,055	282	10	35	10	1,608	5,077	1,132	372	14,759			
SCOTLAND	432	441	10,452	222	411	8,812	44	4	6	1	155	628	162	23	912			
IRELAND	1,201	1,262	30,710	643	1,166	25,169	149	29	9	11	352	2,572	380	79	2,648			
TOTAL	4,686	5,027	124,622	2,494	4,491	96,036	475	43	50	22	2,115	8,277	1,674	474	18,319			

NOTE.—In explanation of the large number of "Officers wanting to Complete":

The full Establishment of Officers has been given, whereas all appointments of Ensigns (Second Lieutenants in Artillery corps) have been suspended since July 1860; two Supernumerary Lieutenants in lieu thereof being allowed to each regiment.

J. K. PIPON, Inspector General Militia.

MILITIA REGIMENTS
(ESTABLISHMENT).

RETURN showing the Establishment of each
Regiment of Militia in the UNITED KING-
DOM; the Numbers Present, Absent, and Want-
ing to Complete for the Training of 1864 (in
continuation of Parliamentary Paper, No. 241,
of Session 1864).

(Colonel Forde.)

*Ordered, by The House of Commons, to be Printed,
3 April 1865.*

MILITIA (IRELAND).

RETURNS of QUALIFICATIONS of OFFICERS of MILITIA delivered to
CLERKS of the PEACE in *Ireland* (pursuant to Act of Parliament, 49 Geo. 3,
c. 120, s. 18).

COUNTY OF CORK.

ACCOUNT of the QUALIFICATIONS of MILITIA OFFICERS, left with the Clerk of
the Peace for the said County of *Cork*, from the 1st day of January 1864 to the
the 31st day of December 1864.

N A M E.	RANK.	Date of Commission.	NATURE OF QUALIFICATION.
NORTH CORK REGIMENT:			
Herbert Coughlan - -	Captain -	17 May 1864	Youngest son of Joseph Coughlan, late of Ballygarvan, who at the time of his death was possessed of an estate of the annual value of 400 <i>l.</i> , out of the lands of Ballygarvan, parish of Carrigaline, and county of Cork.
SOUTH CORK REGIMENT:			
Francis Heard - - -	Captain -	17 May 1864	£. 200 per annum out of the lands of Adamstown, barony of Kerricurrihy, parish of Carrigaline, and county of Cork.
Francis Rowland - -	Captain -	31 May 1864	£. 200 per annum, out of the lands of Monee, barony of Fermoy, and parish of Rahan, and county of Cork.

18 January 1865.

Noble Johnson,
Clerk of the Peace.

COUNTY OF DOWN.

ACCOUNT of the Statements of QUALIFICATION of MILITIA OFFICERS received by
the Clerk of the Peace during the Year 1864.

Charles Arthur Forde (captain), his statement of qualification received the 3d of
December 1864, for holding the Majority in the Royal South Down Militia, arises from
personal property, consisting of money lent out upon securities within the United King-
dom, yielding an annual income of 200*l.* a year and upwards.

R. Craig Laurie,
Clerk of the Peace.

COUNTY OF KILDARE.

RETURN showing the Name of every OFFICER on the Roll of the MILITIA (RIFLES) for the County of *Kildare*, for the Year ending the 1st of January 1865, together with the Dates of their Appointment, Promotion, Retirement, or Death respectively, with an Account of the Qualifications delivered by such Officers to the Clerk of the Peace.

RANK.	Name of each Officer.	Date of Appointment.	Date of Promotion.	Date of Retirement or Death.	Nature and Amount of each Qualification.
Colonel - - -	The Marquis of Kildare - - -	6 June 1849	—	—	—
Lieutenant Colonel - - -	The Marquis of Drogheda - - -	18 April 1861	—	—	—
Major - - -	Hugh L. Barton - - -	12 June 1861	- - -	- - -	Heir apparent to 800 <i>l.</i> per annum.
Captains - - -	Charles Warburton - - -	23 March 1855	- - -	- - -	Heir apparent to 400 <i>l.</i> per annum.
	Eustace Mansfield - - -	10 April 1856	- - -	- - -	Having in possession 200 <i>l.</i> per annum.
	Honourable Valentine Lawless - - -	30 March 1860	- - -	- - -	Heir apparent to 400 <i>l.</i> per annum.
	Henry Edward Moore - - -	12 June 1861	- - -	- - -	Having in possession 200 <i>l.</i> per annum.
	Richard W. Mansfield - - -	10 June 1862	- - -	- - -	Having in possession 200 <i>l.</i> per annum.
Lieutenants - - -	Walter R. Bulwer - - -	12 June 1861	—	—	—
	William C. Browne - - -	12 June 1861	- - -	- - -	Heir apparent to 200 <i>l.</i> per annum.
	Fortescue J. Tynte - - -	12 June 1861	- - -	- - -	Heir apparent to 4,000 <i>l.</i> per annum.
Adjutant - - -	Henry Edward Moore - - -	24 July 1862	- - -	- - -	Having in possession 200 <i>l.</i> per annum.
Surgeon - - -	Robert T. Huston - - -	6 March 1855	—	—	—
Quartermaster - - -	Vacant - - -	—	—	—	—

John Galloway, Junior,
Deputy Clerk of the Peace.

COUNTY OF MAYO.

NORTH MAYO REGIMENT OF MILITIA.

RETURN of OFFICERS borne on the Rolls of the above Regiment; showing their Rank and Names, with Dates of their Appointment, Promotion, Retirement, or Death, for Year ending 31st day of March 1865.

RANK.	NAME.	Date of Commission.	OBSERVATIONS.
Colonel - - -	Charles Knox - - -	25 Nov. 1839	
Lieutenant Colonel - - -	St. George Cuff - - -	1 Oct. 1861	
Major - - -	Ernest Knox - - -	12 July „	
Captains - - -	James Paget - - -	10 Feb. 1855	
	James Vaughan Jackson - - -	19 Jan. 1856	
	Alfred William Knox - - -	29 Nov. 1859	
	Maurice Charles Joseph Blake - - -	16 Oct. 1861	
	Edward Joseph Bolingbroke - - -	27 April 1863	
	Llewellyn Blake - - -	30 May „	
Lieutenants - - -	Henry Garvey - - -	28 May 1860	
	Robert Acton - - -	28 May „	
	Peter Lynch - - -	9 Oct. 1863	
	David Rutledge Fair - - -	9 Oct. „	
Adjutant - - -	- - -	- - -	Captain Edward Leet, late Adjutant, died on 22d January 1865.
Quartermaster - - -	John Purcell - - -	26 Sept. 1862	
Paymaster - - -	Stanhope Kenny - - -	23 Feb. 1865	
Surgeon - - -	William Henry Franklin - - -	18 July „	
Assistant Surgeon - - -	Middleton O'Malley Knott - - -	2 July 1863	

29 April 1865.

Neal Davis,
Clerk of the Peace and of the Meetings.

COUNTY OF MAYO—*continued.*

SOUTH MAYO REGIMENT OF MILITIA (RIFLES).

RETURN of OFFICERS borne on the Rolls of the above Regiment, showing their Rank and Names, with Dates of their Appointment, Promotion, Retirement, or Death, for Year ending 31st day of March 1865.

RANK.	NAME.	Date of Commission.	OBSERVATIONS.
Colonel - - -	The Marquis of Sligo - - -	5 July 1841	
Lieutenant Colonel - - -	Robert Rutledge - - -	23 April 1860	
Major - - -	Samuel Percy Lea - - -	16 April 1856	
	Roger Palmer - - -	25 Jan. 1855	
	Walter Butler - - -	1 May „	
Captains - - -	Dominick E. Broune - - -	28 April 1856	
	Henry Taaffe Ferrall - - -	12 July 1861	
	Annesley Knox - - -	12 July „	
	Francis Rutledge - - -	18 Aug. 1863	
	Harry John Buchanan - - -	7 Oct. 1861	
Lieutenants - - -	Richard Broune - - -	7 Oct. „	
	Walter J. Broune - - -	4 May 1864	
Adjutant - - -	John Edmund Whaite - - -	27 April 1864	Vice William Dickson Butcher, retired.
Quartermaster - - -	Richard William Jeffreys - - -	17 May 1861	
Surgeon - - -	Thomas Hamilton Bourke - - -	4 Nov. 1854	

29 April 1865.

Neal Davis,
Clerk of the Peace and of the Meetings.

COUNTY OF TIPPERARY.

PARTICULARS of Description and Qualification of OFFICERS of the SOUTH TIPPERARY ARTILLERY REGIMENT of MILITIA, lodged with the Clerk of the Peace of said County, for the Year ending the 31st day of December 1864.

NAME.	RANK.	NATURE OF QUALIFICATION.
Daniel James Mansergh	Captain - - -	Landed property, amounting to over 200 l. a year, arising out of the lands of Ballyneety, parish of Templebreden, in the county of Limerick, and out of the lands of the Forty Acres of Cullen, in the parish of Cullen, in the county of Tipperary.

Geo. P. Prittie,
Clerk of the Peace.

COUNTY OF WATERFORD.

RETURN of the QUALIFICATION of the OFFICERS of the WATERFORD REGIMENT of ARTILLERY MILITIA, lodged with the Clerk of the Peace.

Rank of Officer.	Name of Officer.	QUALIFICATION.
Lieutenant Colonel -	William Villiers Stuart	£. 400 per annum, arising out of the townland of Castletown, in the parish of Whitechurch, barony of Iverk, county of Kilkenny; late Captain 12th Lancers.—Commission dated 26th December 1862.
Major - - -	George Noal Bolton	Of No. 3, Crescent Villas, Plymouth, late Captain Waterford Militia Artillery; said George N. Bolton being seised and possessed of a clear yearly income arising out of personal property, for his own use, amounting to 440 <i>l.</i> per annum.—Commission dated 17th July 1858.
Captain - - -	John Esmonde, M.P.	Seised and possessed of freehold estates of the yearly value of 200 <i>l.</i> and upwards, arising from and out of the lands of Pembrokestown, Gaulstown, and Slieverne, county of Waterford, and Callinagree Grange and others, county Wexford.—1st November 1854.
Captain - - -	Leopold G. F. Keane	Rentcharge of 200 <i>l.</i> per annum on the estate of Sir Richard Keane, Baronet, of Cappoquin House, county of Waterford.—17th November 1854.
Captain - - -	Henry Meagher -	Personal property, amounting to 200 <i>l.</i> per annum.—14th December 1854.
Captain - - -	Nicholas F. Giles -	Freehold estates, amounting to 200 <i>l.</i> yearly, the same arising from the lands of Clashadonagh, Muckridge, and Knockaverry, and also out of the holdings commonly called Knight's Holdings, Castle Court, and Portnagolis, situate in the barony of Imokilly, and county of Cork.—23d February 1855.
Captain - - -	Edward Lymberry -	Freehold estates, of the yearly value of 200 <i>l.</i> , on the lands of Ballycrony, Ballyeden, situate in the parish of Saunbough, barony of Ida, county of Kilkenny.—2d December 1857.
Captain - - -	Thomas Edmond Power.	Estate in land of the clear yearly value of 200 <i>l.</i> , situate in the parish of Ballylaneen, barony of Decies-without-Drum, and county of Waterford.
Captain - - -	George E. Meara -	Personal property as follows:—1,350 <i>l.</i> Bank of Ireland Stock, at 9 per cent. per annum, 120 <i>l.</i> 10 <i>s.</i> ; 2,000 <i>l.</i> on mortgage of the lands of Camphire, property of E. Ussner, at 5 per cent. per annum, deducting income-tax, 97 <i>l.</i> ; the whole amounting to 218 <i>l.</i> 10 <i>s.</i> —26th January 1859.
Captain - - -	John Russel Mulcahy	Freehold estate in the lands of Ballymakee, barony of Glенаheira, county Waterford, of yearly value of 200 <i>l.</i> and upwards.—9th June 1864.

7 January 1865.

W. J Dennehy,
Clerk of the Peace.

MILITIA (IRELAND).

RETURNS of QUALIFICATIONS of OFFICERS of
MILITIA, delivered to CLERKS of the PEACE
in *Ireland*.

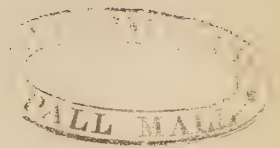
(Presented pursuant to Act of Parliament, 49 Geo. 3,
c. 120, s. 18).

*Ordered, by The House of Commons, to be Printed,
5 July 1865.*

480.

Under 1 oz.

TOPOGRAPHICAL DEPARTMENT, WAR OFFICE.



REPORT OF THE PROGRESS

OF THE

ORDNANCE SURVEY

AND

TOPOGRAPHICAL DEPÔT,

To the 31st December 1864.

Presented to both Houses of Parliament by Command of Her Majesty.



LONDON:

PRINTED BY GEORGE EDWARD EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY.
FOR HER MAJESTY'S STATIONERY OFFICE.

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R E P O R T .

SECTION I.

No changes have been made in the orders respecting the Ordnance Survey during the last year, or since the issue of the Treasury letter of the 18th March 1863, which directed that the cadastral survey of the whole kingdom should be proceeded with.

IN ENGLAND.

The survey of the county of Middlesex, outside the limits included on the published skeleton plans, has been finished this year, and a great number of the plans of the county on the 25-inch scale has been published. The completion of the skeleton plan is also in progress.

The survey is proceeding in the counties of Surrey, Kent, and Hampshire; and the plans of portions of each of these counties, as well as of Essex along the Thames, of Cornwall and Devonshire round Devonport, and of Pembrokeshire round Pembroke, have been published.

IN SCOTLAND.

The survey is proceeding in Aberdeenshire, Banffshire, and Argyllshire. The publication of the plans of Perthshire, Buteshire, Kincardineshire, and Forfarshire is in progress.

IN IRELAND.

A revision of the plans of the county of Dublin having been required for the purposes of the general valuation, the plans are in course of being redrawn on the 25-inch scale, the superior advantages of that scale over the 6-inch scale having been strongly felt by Sir Richard Griffith, Bart., the chief valuator in Ireland.

ISLE OF MAN.

The survey of the island has been commenced in compliance with the orders of the Lords Commissioners of Her Majesty's Treasury, which were given in consequence of a memorial from the Tynwald Court.

The numerous applications which have been made to Her Majesty's Government for the plans of towns and poor-law unions to be made, with offers to pay a portion of the cost of the survey, prove the extent to which the public now appreciate the cadastral survey, the reasons given for making the applications being the desire to possess authoritative accurate plans upon which to base the local valuations and the designs for local improvements. As remarkable examples of the uncertainty which exists as to the extent of highland or moorland properties, it may be mentioned that a property was bought for a nobleman in Northumberland, the area of which was found from the Ordnance survey to be 10,000 acres less than it was stated to be and actually bought for; and in Perthshire a baronet finds that he has been letting a farm estimated to be about 30,000 acres, which turns out to be more than 40,000.

In Westmorland the Irish reapers have gone to the agents for the sale of the plans and ascertained the acreage of the fields they have engaged to reap, and they have thus obtained justice without an appeal to law.

II.

SURVEYS FOR THE WAR DEPARTMENT.

CANADA.—A detachment from the survey force, consisting of a lieutenant, one sergeant, two corporals, and 11 sappers, was sent out to Canada in April last, where it has since been employed in surveying sites for works at Quebec.

GIBRALTAR.—A corporal and sapper have been employed during the year in surveys at this station, and are now about to rejoin this department, from which they have been detached for some years.

ROUND LONDON.—Sketch surveys have been in progress for some years of the Surrey and Kent hills, under the superintendence of Lieutenant-Colonel Jervois, C.B., R.E. A party of two sergeants, three corporals, and four sappers is at present detached from the survey for this duty.

ALDERSHOT.—A corporal has been doing duty for some years, making surveys of different kinds under the direction of the Commanding Royal Engineer.

III.

SURVEY OF JERUSALEM.

An accurate contoured survey of Jerusalem and its neighbourhood being considered necessary for the purpose of carrying out certain projected works for improving the sanitary state of the city, and also for the proper discussion of many interesting questions connected with its ancient topography, the Dean of Westminster, on the part of the Bishop of London and other philanthropic persons, applied to the Right Honourable Earl de Grey and Ripon, Secretary of State for War, for a party of non-commissioned officers and sappers from the Ordnance Survey to be allowed to make the required survey under my direction, stating at the same time that he was prepared to pay the cost of the survey. Lord de Grey having consented to this arrangement, Captain Wilson, R.E., with three non-commissioned officers and two sappers, was sent out in October last for the purpose of making the required survey, and it will probably be finished in March. It is gratifying to be able to state that the party has received every assistance from the Pasha and all the Turkish authorities; and that the whole community, composed as it is of so many religious sects, are impressed with the importance of having such a survey made, and give every facility for the execution of the work.

IV.

LEVELLING FROM THE MEDITERRANEAN TO THE DEAD SEA.

It has long been a question of great scientific interest to know the exact amount of the depression of the level of the Dead Sea below that of the Mediterranean; and it is also important that the levels and contours of the Jerusalem survey should be connected with the levels of the two seas. These points having been brought under the consideration of the Council of the Royal Society and of the Council of the Royal Geographical Society, it was considered a matter of so much importance to have them settled in the most satisfactory manner, by employing the party under Captain Wilson to execute the required levelling before leaving Palestine, that they each voted 100% for the purpose, to make up the required sum at which the cost of the work is estimated. Lord de Grey having consented to allow the party to remain out the short additional time required for levelling from Jerusalem to the Dead Sea, and from Jerusalem to Jaffa on their way home, I have sent out instructions for the work to be done.

V.

DEFLECTION OF THE PLUMB-LINE.

It has been long known that there is a considerable deflection of the plumb-line at Cowhythe station, near Portsoy, in Banffshire; and when in 1858 we published the

Principal Triangulation of the United Kingdom, and gave the figure and dimensions of the earth as derived from it, the amount of the deflection was ascertained to be 10" to the south.

In 1863 we published an account of the Extension of the Triangulation of the United Kingdom into France and Belgium. This work was undertaken as part of a great combined operation between Russia, Prussia, Belgium, France, and England, for the measurement of an arc of parallel from the river Oural to the island of Valentia in the west of Ireland. This great work will probably be finished during the present year, and will give a very crucial test to the accuracy of the previously determined figure and dimensions of the earth from the measurements of arcs of meridians. I therefore considered it advisable, especially since the survey is proceeding in Banffshire, to have some observations made with a view of ascertaining the cause of the deflection of the plumb-line at Cowhythe. I have personally examined the geological structure and physical configuration of the ground in the neighbourhood of the station, and found no sufficient cause to explain the anomaly; and during the course of last year I had a series of astronomical observations made at several stations running southward from Cowhythe towards Aboyne. The result has been very remarkable, for we found that as we proceeded southward the deflection gradually diminished to 0, and then apparently gradually increased to the northward, or in an opposite direction. This seems to indicate the presence of a vast mass of very dense matter at a great depth below a point somewhere near Inch, on the line of railway between Inverury and Huntly. We hope to be able to resume this important investigation, and to trace the extent of the disturbing mass east and west; but our observations, like some made by M. Otto Struve, near Moscow, go to prove that we cannot rely on observations taken for latitude and longitude at any particular point on the surface of the earth, without observations at surrounding stations, to be certain that there is no hidden cause of disturbance to affect the observations. We have long known how greatly mountain masses affect the observations, but the existence of such extreme irregularity in the density of the crust of the earth as to largely affect our astronomical observations has only recently been discovered.

VI.

COMPARISON OF STANDARDS OF LENGTH.

The distances in the triangulations of the several countries through which the great arc of parallel in latitude 52° N. passes, having been computed in terms of the standards of length of each country, it became necessary to have a rigid comparison made between the lengths of those standards, and as we had a very perfect apparatus for this purpose, the governments of the several countries were invited to send their standards to this office to be compared. We have already compared the standards of Belgium and Prussia with our own, and we have the platinum standard metre of France, which was made under the supervision of Arago, and belongs to the Royal Society. The Russian standard was embarked for transmission to us, but the vessel was unfortunately frozen up in the Neva, but we hope to receive it and the Austrian standard early this year. We are now comparing two new standards for India, and thus we are gradually bringing all the standards of length that are in use in all parts of the world into strict relation to each other.

VII.

FAC-SIMILE OF DOMESDAY BOOK.

The demand for copies of this work continues very steady, and although on account of the Rev. L. B. Larking's having undertaken to publish a fac-simile of the part relating to Kent before the Government undertook to publish the fac-simile of the whole, we have not sold any copies of that part, the sum received from the sale of copies amounts to 1,753*l.*, and there is no doubt but that the proceeds of the sale, even at the low prices charged for the several parts, will cover the entire cost of producing the fac-simile.

VIII.

FAC-SIMILES OF NATIONAL MANUSCRIPTS.

The publication of the fac-simile of Domesday Book having given so much satisfaction to Her Majesty's Government and to the public, I suggested the publication of the fac-similes of a series of the most interesting of our national manuscripts, which, in addition to the interest of the subject matter of the documents, should illustrate the change in our language and in our writing at the several periods of our history.

This proposition having received the sanction of Her Majesty's Government and the concurrence of the Right Hon. Sir John Romilly, Master of the Rolls, a series of the most interesting charters, grants, and letters from eminent or remarkable persons, has been selected out of those in the Public Record Office, with a few (including the most perfect original copy of Magna Charta extant) from other sources, and sent to this office to be published by the photo-zincographic process. The first document in the series is the charter of William the Conqueror to the city of London, in Anglo-Saxon, and the last the despatch of the Duke of Marlborough reporting the victory of Blenheim.

These documents are arranged chronologically, one or more of each reign being given, and each page will have the translation, where necessary, opposite to it. These documents are extremely interesting in themselves, and they will serve to show the changes in the character of the writing and in the language from the time of the Conquest. This series will be published in four parts, the first of which will probably be ready by March. It is under consideration to publish a series of documents selected from those in the Register Office in Edinburgh, and also a series from those preserved in the Record Office in Dublin.

IX.

ENGLAND AND WALES.

AREA, 58,000 square miles.

1. SURVEY (vide Index Map, No. 1).

The progress made in the survey of England is as follows:—

	Area Square Miles.	Surveyed Square Miles.
Cumberland - - - }	13,260 - -	- 13,260
Durham - - - }		
Lancashire - - - }		
Northumberland - - - }		
Westmorland - - - }		
Yorkshire - - - }		
Essex - - -	1,657 - -	- 217
Hants - - -	1,672 - -	- 411
Kent - - -	1,624 - -	- 498
Middlesex - - -	282 - -	- 282
Surrey - - -	748 - -	- 84
Other counties - - -	- - -	- 430
Total - - -	- - -	- 15,182

The survey of Middlesex has been completed during the past year; and the survey is now in progress in Kent, Hants, Surrey, and in the Isle of Man. The area surveyed last year was 388 square miles.

2. PUBLICATION OF PARISH PLANS ON $\frac{1}{2500}$ SCALE.

The publication of the parish plans is completed for Durham and Westmoreland, and nearly so for the counties of Northumberland and Cumberland. The plans of Essex,

Hampshire, Kent, Middlesex, and Surrey are in progress, as well as those of parts of Cornwall, Devonshire, Dorsetshire, and Pembrokeshire, surveyed for the War Department. The total area for which plans were published last year was 758 square miles.

3. SIX-INCH MAP.

The six-inch maps of Lancashire, Yorkshire, Durham, Westmorland, and a small part of Northumberland, have been published; and the engraving of Northumberland and Cumberland, and of a few sheets of Kent, Hampshire, Middlesex, Devonshire, and Pembrokeshire, is in progress. The number of square miles published last year was 89, but this does not represent the progress made in the engraving, which has been considerable.

4. ONE-INCH MAP (vide Index Map No. 2).

Five quarter sheets, containing 699 square miles, were published during last year, the whole of the map is in outline, and the engraving of the hills is proceeding as fast as possible.

5. TOWNS.

The plans of Croydon and Plumstead on the scale of $\frac{1}{5000}$ have been drawn during the year, and the town of Hanley in Staffordshire is being surveyed for the town council of that town, who are to pay two thirds of the expense of the survey. The engravings of the plans of Penrith and Sheerness have been finished and published.

		Sheets.
Engraved in outline and published	London on 5-feet scale	819
	London on 12-inch scale	44
	London on 6-inch scale	15

Engraved and published on 10-feet and 2-feet scales. } Alnwick.

Engraved and published on scale of 12 inches to a mile. } Plymouth.

Engraved or zinco-graphed and published on 10-feet or $\frac{1}{8000}$ scale.	Appleby.	Pembroke.
	Barnard Castle.	Pembroke Dock.
	Bishop Auckland.	Penrith.
	Blyth.	Plymouth.
	Devonport.	South Shields.
	Dover.	North Shields.
	Durham.	Sheerness.
	Gateshead.	Stockton-on-Tees
	Hartlepool.	Stonehouse.
	Hexham.	Sunderland.
	Kendal.	Tynemouth.
	Longton.	
	Newcastle-on-Tyne.	

Drawn on 10-feet and 2-feet scales, but not engraved. These plans were made for the Board of Health, and in part paid for by the several towns.	Ashby-de-la-Zouch.	Nantwich.
	Braintree.	Newcastle-under-Lyne.
	Burslem.	Ormskirk.
	Cardiff.	Rugby.
	Chelmsford.	Sandgate.
	Coventry.	Sheerness.
	Dartford.	Stratford-upon-Avon.
	Derby.	Torquay.
	Gloucester.	Uxbridge.
	Hitchin.	Ware.
	Hull.	Warwick.
	Knighton.	Woolwich.
	Margate.	Worthing.
	Merthyr Tydfil.	

Drawn, engraved, and published on the 5-feet scale.	{	Accrington.	Lancaster.
		Ashton-under-Lyne and Staleybridge.	Leeds.
		Bacup.	Liverpool.
		Barnsley.	Malton.
		Bingley.	Manchester.
		Blackburn.	Middleton.
		Bolton.	Middlesbrough.
		Bradford.	Oldham.
		Bury.	Ormskirk.
		Burnley.	Pontefract.
		Bridlington.	Prescot.
		Beverley.	Preston.
		Chorley.	Rochdale.
		Clitheroe.	Rotherham.
		Colne.	Ripon.
		Darlington.	Scarborough.
		Dewsbury.	Selby.
		Doncaster.	Sheffield.
		Fleetwood.	Skipton.
		Halifax.	St. Helens.
		Haslingden.	Stockport.
		Heywood.	Todmorden.
		Howden.	Ulverstone.
		Huddersfield.	Wakefield.
		Hull.	Warrington.
Surveyed and drawn on $\frac{1}{500}$ scale.	{	Keighly.	Whitby.
		Knaresborough.	Wigan.
			York.
		Brixham.	Plumstead.
		Chatham.	Portsmouth (engraving).
		Cockermouth.	Ryde (engraving).
		Cowes.	Torquay.
		Croydon.	Weymouth.
		Gravesend.	Whitehaven.
		Morpeth.	Workington.
		Newport.	

6. REVISION OF THE ONE-INCH MAP.

The new railways are surveyed and engraved as soon as they are opened.

X.

SCOTLAND.

AREA, 30,000 square miles.

1. SURVEY (vide Index Map No. 3).

The following counties have been surveyed, viz.:—Ayr, Bute, Berwick, Clackmannan, Dumbarton, Dumfries, Edinburgh, Fife, Forfar, Haddington, Kincardine, Kinross, Kirkeudbright, Lanark, Linlithgow, Peebles, Perth, Renfrew, Roxburgh, Selkirk, Stirling, Wigton, and Isle of Lewis; and the survey is now in progress in Aberdeenshire, Argyllshire, and Banffshire. The total area surveyed is 15,400 square miles, of which 1,104 square miles were surveyed during last year.

2. PUBLICATION OF PARISH PLANS ON $\frac{1}{2500}$ SCALE.

The plans of parishes on the $\frac{1}{2500}$ scale have been published for the counties of Ayr, Berwick, Clackmannan, Dumbarton, Dumfries, Lanark, Linlithgow, Peebles, Renfrew, Roxburgh, Selkirk, and Stirling; and the publication is now in progress for

Buteshire, Forfarshire (nearly complete), Kincardineshire, and Perthshire. The area published in the course of last year was 420 square miles.

3. SIX-INCH MAP.

The six-inch maps have been published of the following counties, including all to the south of the Forth and Clyde, viz. :—Ayr, Berwick, Dumbarton, Dumfries, Edinburgh, Fife, Haddington, Kinross, Kirkcudbright, Lanark, Linlithgow, Peebles, Renfrew, Roxburgh, Selkirk, Wigton, Stirling, and the Isle of Lewis. The area published during last year on this scale was 1,208 square miles. The maps of Forfarshire, Perthshire, and Clackmannanshire are in progress of engraving.

4. ONE-INCH MAP (vide Index Map No. 4).

Two sheets including 763 square miles were published during last year, and considerable progress was made in the engraving of other parts of the map.

5. TOWNS.

The plans of Arbroath and Paisley on the $\frac{1}{500}$ scale have been published during the year, and plans drawn of Forfar, Kirriemuir, Montrose, and Stonehaven.

Published on $\frac{1}{500}$ or 10-feet scale.	{ Airdrie.	Irvine.
	{ Annan.	Jedburgh.
	{ Arbroath.	Kelso.
	{ Berwick.	Kilmarnock.
	{ Coatbridge.	Lanark.
	{ Dundee.	Maybole.
	{ Falkirk.	Paisley.
	{ Galashiels.	Peebles.
	{ Girvan.	Perth.
	{ Glasgow.	Port Glasgow.
	{ Greenock.	Rutherglen.
	{ Hamilton.	Strathavon.
Engraved and pub- lished on 5-feet scale.	{ Hawick.	Stirling.
	{ Ayr.	Kirkcaldy.
	{ Cupar.	Kirkcudbright.
	{ Dalkeith.	Linlithgow.
	{ Dumfries.	Musselburgh.
	{ Dunfermline.	St. Andrew's.
	{ Edinburgh.	Stranraer.
	{ Haddington.	Wigtown.
Surveyed and drawn on $\frac{1}{500}$ scale, but not yet published.	{ Alexandria and Bonhill.	Kirkintilloch.
	{ Alloa.	Kirriemuir.
	{ Brechin.	Montrose.
	{ Dumbarton.	Rothsay.
	{ Forfar.	Stonehaven.

XI.

IRELAND.

1. REVISION OF THE MAPS OF THE NORTHERN COUNTIES. (vide Index Map No. 5).

The plans of every county in Ireland have been engraved and published on the scale of six inches to a mile; but in consequence of the instructions under which the survey of Ireland was commenced, the plans of the northern counties, which were first surveyed, were made without that amount of detail which has subsequently been found to be essentially necessary for the local valuation and assessments, and hence it is that we are now revising those northern counties at a great additional expense. In a great part of Ireland there are 50 enclosures to one in Scotland; and the cost of inserting these enclosures only in Ireland has amounted almost to the cost of an original perfect survey in Scotland.

The maps of the following counties have been revised for the purposes of the valuation :—

Antrim,
Armagh,

Donegal,
Down,

Fermanagh,
Londonderry,

Monaghan,
Tyrone,

and the revision of the counties of Louth, Cavan, and Dublin is in progress.

The revised maps have been engraved and published of Antrim, Armagh, Donegal, Down, Fermanagh, Londonderry, and Tyrone; and the engraving of Monaghan is in progress. The area engraved during the year was 588 square miles.

2. TOWNS.

Drawn and published on the scale
of 5 ft. to a mile

Ballymena.
Belfast.
Dublin.
Enniskillen.
Lurgan.
Portadown.

Drawn and published
on the scale of $\frac{1}{300}$

Ardglass.	Holywood.
Armagh.	Keady.
Ballybay.	Kilkeel.
Ballynahinch.	Killyleagh.
Banbridge.	Lisburn.
Bangor.	Markethill.
Carrickmacross.	Monaghan.
Castleblayney.	Newry.
Clones.	Newtownards.
Comber.	Newtownhamilton.
Donaghadee.	Portaferry.
Downpatrick.	Rathfriland.
Dromore.	Tanderagee.
Gilford.	Warrenspoint.
Hillsborough.	

Drawn on the 5-
feet scale, but
not published

Antrim.	Dundalk.	Mountrath.
Askeaton.	Dungannon.	Naas.
Athlone.	Dungarvon.	Navan.
Athy.	Ennis.	Nenagh.
Balbriggan.	Fermoy.	Newcastle.
Ballina.	Fethard.	Newton Stewart.
Ballinasloe.	Galway.	Omagh.
Ballymacarret.	Graigne, Kilkenny.	Passage.
Ballyshannon.	Granard.	Portarlington.
Bandon.	Johnstown.	Queenstown.
Baltinglass.	Kanturk.	Rathkeale.
Birr or Parsonstown.	Kells.	Roscommon.
Black Rock.	Kildare.	Roscrea.
Boosterstown.	Kilkenny.	Sligo.
Boyle.	Killarney.	Templemore.
Bray.	Kilrush.	Thomastown.
Cahir.	Kingstown and Dunleary.	Thurles.
Carlingford.	Kinsale.	Tipperary.
Carlow.	Limerick.	Tralee.
Ditto, part called	Listowel.	Trim.
Graigne.	Longford.	Tuam.
Carrick-on-Shannon.	Loughrea.	Tullamore.
Castlebar.	Lucan.	Waterford.
Cashel.	Magherafelt.	Westport.
Cavan.	Mallow.	Wexford.
Charleville.	Maryborough.	Wicklow.
Clonakilty.	Middleton.	Williamstown.
Clonmel.	Michelstown.	Youghal.
Cork.	Mullingar.	
Drogheda.	Mountmellick.	

Drawn on $\frac{1}{300}$ scale, but not yet published - - Dundalk.

3. ONE-INCH MAP.

AREA of IRELAND, 32,813 square miles.

The whole of this map is engraved and published in outline, and the engraving of the hills is being proceeded with. The area published with hills is 4,482 square miles, of which 925 square miles were completed during the year.

4. PLANS FOR THE LANDED ESTATES COURT.

Maps of 174 estates, containing 116,761 acres, were completed; and 71,633 lithographed rental maps, and 229 conveyance maps, were supplied to the Commissioners during the year, the whole cost of the work being charged against the sale of the estates.

XII.

DISTRIBUTION OF THE OFFICERS AND MEN.

Colonel Cameron is the executive officer in charge of the general correspondence, examination of the accounts, and engraving of the maps of Great Britain, at Southampton.

Captain A. R. Clarke has charge of the trigonometrical branch of the work, and of the initial levelling.

Captain H. Helsham Jones has charge of the examination of the manuscript plans, and of the zincographing of the $\frac{1}{2500}$ plans, and their reduction to the 6-inch and 1-inch scales.

Officers in charge of divisions, and the districts upon which they are employed:—

England:—Lt.-Colonel Bayly (at London)	-	-	{	Surveys of the boundaries in Hants, Kent, and Surrey, and filling in the skeleton plans of the Metropolis.
The Hon. Captain Trench (at London)	-			
Lieutenant Sanford (at Southampton)	-			
Lieutenant Palmer (at Tonbridge)	-	-		
Scotland:—Captain Pratt (at Inverness)	-	-	-	Aberdeenshire.
Captain Courtney (at Aberdeen)	-	-	-	Aberdeenshire.
Lieutenant White (at Glasgow)	-	-	-	{ Argyllshire and the Isle of Man.
Lieutenant Jones (at Banff)	-	-	-	
				Banffshire.

Ireland:—Captain Wilkinson has charge of the engraving and publication of the maps, and of the office in the Phoenix Park, together with the Surveys for the Landed Estates Court.

Captain Martin (at Dublin), revising plans of Louth, Cavan, and Dublin.

In England:—The hill drawing, levelling, and contouring are carried on under Captain James, who is stationed at Carlisle.

In Scotland:—The same duties are in the charge of Captain Carey, who is stationed at Edinburgh.

In Ireland:—The hill drawing is executed under the direction of Captain Wilkinson.

XIII.

NUMERICAL and COMPANY DISTRIBUTION of the FOUR SURVEY COMPANIES of ROYAL ENGINEERS, in each part of the United Kingdom.

	Staff Serjeants.	Colour Serjeants.	Serjeants.	Corporals.	2nd Corporals.	Buglers.	Sappers.	Total.
SURVEY OF ENGLAND.								
13th Company - - -	-	-	4	4	3	-	26	37
14th " - - -	-	-	3	7	5	2	42	59
16th " - - -	2	-	4	4	3	5	41	59
19th " - - -	-	1	2	5	3	2	36	49
Total - -	2	1	13	20	14	9	145	204
SURVEY OF SCOTLAND.								
13th Company - - -	-	-	1	2	2	-	26	31
14th " - - -	-	1	2	1	3	-	15	22
16th " - - -	-	1	1	1	2	1	19	25
19th " - - -	-	-	2	3	4	-	33	42
Total - -	-	2	6	7	11	1	93	120
SURVEY OF IRELAND.								
13th Company - - -	-	1	1	1	1	2	16	22
14th " - - -	-	-	1	-	-	-	9	10
16th " - - -	-	-	-	-	-	-	9	9
19th " - - -	-	-	2	-	-	-	3	5
Total - -	-	1	4	1	1	2	37	46
General Total -	2	4	23	28	26	12	275	370

XIV.

STATEMENT of the AMOUNTS provided in the WAR OFFICE ESTIMATES for 1865-66 for the TOPOGRAPHICAL DEPARTMENT, including ORDNANCE SURVEY of the United Kingdom and Topographical and Statistical Depot.

				Estimate 1865-66.		Estimate 1864-65.	
				£	£	£	£
Director	{	Regimental Pay -	£ s. d. 474 10 0	1,345	1,345	1,345	1,345
		Extra Pay -	870 0 0				
1. Ordnance Survey of the United Kingdom.							
Numbers.							
1864-65.	1865-66.						
1	1	Brevet-Colonel at 30s.	per diem.	1864-65.	1865-66.		
—	1	Lieut.-Colonel at 30s.		£	£		
1	—	Do. at 27s.	Officers' Survey Pay and Servants' Allowance	4,544	4,900		
2	5	1st Captains at 18s.					
7	4	2d Captains at 13s. 6d.					
2	4	Lieutenants at 13s. 3d.					
2	—	Do. at 11s. 9d.	Travelling Expenses		700		
1	1 {	Quarter-master } at 11s. 6d.					
16	16	Carried forward	-	5,600	1,345	1,345	1,345

STATEMENT of the AMOUNTS provided in the WAR OFFICE ESTIMATES, &c.—*continued.*

					Estimate 1865-66.		Estimate 1864-65.			
					£	£	£	£		
			Brought forward	-	5,600	1,345	1,345	1,345	1,345	
85	Non-Commissioned Officers	}	Working Pay	-	10,385					
250	Sappers and Buglers		Lodging Money	-	880					
550	Civil Assistants	-	-	-	38,355					
325	Labourers	-	-	-	12,200					
	Medical Bills	-	-	-	520					
	Meresmen	-	-	-	220					
	Conveyance of Persons	-	-	-	1,050					
	Carriage of Stores	-	-	-	600					
	Rent of Offices	-	-	-	1,270					
	Fuel, Light, Soap, Oil, Water	-	-	-	370					
	Instruments and Repairs to ditto	-	-	-	1,140					
	Postage and Parcels	-	-	-	750					
	Repairs to Survey Offices	-	-	-	500					
	Contingencies, including Washing, Timber (for making observatories, wooden huts, plan presses and signals), Iron, and the various small disbursements for which bills cannot conveniently be obtained	-	-	-	1,060					
For the prosecution of the Survey					£74,900	74,900	74,900	75,900	75,900	
Repayment Services.	*Publication of the Maps				-	6,500		6,000		
	*Stores, value of (principally required for the Publication)				-	2,500		2,500		
	†Surveys for the Landed Estates Court in Ireland				-	2,500		2,000		
Engraving Geological Survey					-	600	11,500	600	10,500	
							600		600	
							88,345		88,345	
2. Topographical and Statistical Depot.										
Numbers.										
1864-65.		1865-66.								
				£	s.	d.				
1	1	{	Executive Officer, Regimental Pay	-	281	6	10	701	701	
			Extra Pay	-	419	15	0			
1	1	{	Assistant, Regimental Pay	-	301	2	6	753	753	
			Extra Pay	-	451	13	9			
1	1	{	Do.				283	317	317	
3	4		Non-commissioned Officers				210			159
3	2		Sappers	-	-	-	65			104
19	19		Civil Assistants	-	-	-	2,887	2,787		
7	7		Labourers	-	-	-	357	357		
35	35									
Allowance in lieu of servants					-	-	91	91		
Travelling Expenses					-	-	40	88		
Purchase of maps, colouring and binding plans, repairing presses, and miscellaneous charges					-	-	300	700		
							5,687		6,057	
Total					-	-	£	94,032	94,402	

* These sums will be repaid into the Treasury; the produce of the sale of the maps in the year ending 30th September 1864 was £7,010, and the value of the maps presented to the Public Departments, including those supplied under the provisions of the Copyright Act, was £3,151, making the total value of the maps issued £10,161.

† The entire expenditure on this service will be repaid into the Treasury. A sum of £2,931 has been received during the year ending 30th September 1864.

XV.

RETURN of the SALE of the ORDNANCE MAPS, including the value of those supplied to Public Departments, and under the Provisions of the Copyright Act, between the 1st January and 31st December 1864.

		£	s.	d.
England	1-inch scale	-	-	-
	6-inch scale	-	-	-
	$\frac{1}{2500}$ scale	-	-	-
	5 and 10-feet plans of towns	-	-	-
	12-inch do.	-	-	-
	Sundry maps and books	-	-	-
Total, including 1,713 <i>l.</i> 2 <i>s.</i> 10 <i>d.</i> to Public Departments, and under the provisions of the Copyright Act		6,262	10	3
Scotland	1-inch scale	-	-	-
	6-inch scale	-	-	-
	$\frac{1}{2500}$ scale	-	-	-
	5 and 10-feet plans of towns	-	-	-
	Sundry maps	-	-	-
		-	-	-
Total, including 630 <i>l.</i> 14 <i>s.</i> 5 <i>d.</i> to Public Departments, and under the provisions of the Copyright Act		2,053	9	4
Ireland	1-inch scale	-	-	-
	6-inch scale	-	-	-
	$\frac{1}{2500}$ scale	-	-	-
	5 and 10-feet plans of towns	-	-	-
	Sundry maps and books	-	-	-
		-	-	-
Total, including 388 <i>l.</i> 17 <i>s.</i> 1½ <i>d.</i> to Public Departments, and under the provisions of the Copyright Act		1,484	6	1½
Total amount		£9,800	5	8½

ABSTRACT.

Sold	-	-	-	-	-	-	7,067	11	4¼
Presented—						£ s. d.			
Copyright Act	-	-	-	-	-	529	6	7½	
Public Departments	-	-	-	-	-	867	0	11¼	
Public Institutions	-	-	-	-	-	660	2	7½	
Public Libraries	-	-	-	-	-	516	6	6½	
Government Educational Establishments	-	-	-	-	-	13	11	6	
Foreign Governments	-	-	-	-	-	146	6	1½	
							2,732	14	4¼
							£9,800	5	8½

XVI.

RETURN of SUMS expended for and received from the LANDED ESTATES COURT, IRELAND, in the Year ending 31st December 1864.

	1864.	Expended.			Received.		
		£	s.	d.	£	s.	d.
March Quarter	-	600	6	11	595	3	0
June	-	984	5	1	1,132	10	11
September	-	582	17	8	600	7	4
December	-	519	11	2	399	5	5
Total	-	£2,687	0	10	2,727	6	8

N.B.—The cost of the surveys is paid out of the proceeds of the sales of the properties.

XVII.

STATEMENT of the PAY and ALLOWANCES chargeable to the SURVEY ITEM of the Officers
Non-commissioned Officers, and Men of the ROYAL ENGINEERS, attached to the
SURVEY DEPARTMENT.

Pay and allowances of 1 brevet-colonel, at 30s. ; 1 lieutenant-colonel, at 30s. ; 3 first captains, at 18s. each; 6 second captains, at 13s. 6d. each; 4 lieutenants, at 13s. 3d. each; and 1 quartermaster, at 11s. 6d.	£	s.	d.
	4,735	17	6
Working pay of 83 non-commissioned officers, at rates varying from 2s. to 4s., and of 287 sappers and buglers, at rates varying from 3d. to 2s. 6d.	11,431	0	5
	<u>£16,166</u>	<u>17</u>	<u>11</u>

XVIII.

STATEMENT of the NUMBERS and RATES of PAY of the CIVIL ASSISTANTS and LABOURERS
employed on the ORDNANCE SURVEYS, and their Numerical Distribution in the three
portions of the United Kingdom.

Rates of Pay.	England.		Scotland.		Ireland.		Total.
	Civil Assistants.	Labourers.	Civil Assistants.	Labourers.	Civil Assistants.	Labourers.	
Above 15s. and not exceeding 19s.	3	- -	1	- -	3	- -	7
" 10s. " " - 15s.	10	- -	1	- -	2	- -	13
" 8s. " " - 10s.	26	- -	-	- -	5	- -	31
" 6s. " " - 8s.	43	- -	4	- -	16	- -	63
" 4s. " " - 6s.	128	- -	39	- -	31	- -	198
" 2s. " " - 4s.	157	211	69	97	31	12	577
2s. and under " - -	81	- -	10	- -	13	30	134
Total - -	*448	211	124	97	101	42	1,023

* The large proportion of assistants employed in England is accounted for by the head-quarters of all the Surveys being at the Ordnance Survey Office, Southampton.

The annual charge arising from the pay of the civil assistants and labourers as above enumerated is (approximately)—

Civil Assistants	-	-	-	£47,120
Labourers	-	-	-	12,207

XIX.

OFFICE BUILDINGS.

The Survey Offices at Southampton and Dublin are in good repair, and have been fitted with every convenience necessary for the advantageous prosecution of the work.

XX.

TOPOGRAPHICAL AND STATISTICAL DEPÔT, WAR OFFICE.

1. GENERAL STATEMENT OF PROGRESS.

The following are among the principal Works executed during the year.

The series of plans of barracks and forts in Great Britain and Ireland have been continued. Those of the South-eastern and manufacturing districts have been nearly completed. The atlases of the south-western district issued in 1859 have been called in, for the purpose of making such corrections in the plans as the alterations made in the barracks since the atlases were published render necessary. The lithographed copies of the barrack plans have been largely made use of by the commanding engineers in those districts in which they are published, to save the time of their officers and draughtsmen in making plans to illustrate reports on barracks, &c.

Lists of the equipment of an army in the field have been continued, containing the proportion and weight, and the price, where procurable, of every article necessary for the supply of troops of all arms of the service, with remarks on their nature and use; and drawings to accompany them are in progress; they have been divided into seven parts, viz. :—

- | | |
|---------------------|------------------------|
| I. Cavalry | V. Infantry. |
| II. Artillery. | VI. Commissariat. |
| III. Engineers. | VII. Hospital Service. |
| IV. Military Train. | |

The lists for No. II. are completed and have been issued to the military authorities and others concerned with the equipment of artillery, and they are sold through Her Majestys Stationery Office at 5s. a copy. The lists and illustrations for Nos. V. and VII. are completed, and for No. III. as regards all except the engineer train, and the lists for the remainder are nearly completed, but the whole of these are delayed until the new warrants which are shortly expected for clothing, arms, and accoutrements are issued.

The work commenced in 1862 showing the strength, composition, and organization of the British forces has been revised and an edition for 1864 published; a new edition for 1865 will be prepared as soon as the army estimates have been passed. The work is sold through Her Majesty's Stationery Office at 1s. 6d. a copy.

Maps to illustrate the military operations in New Zealand have been made, and a series to accompany the Deputy Quartermaster General's Journal in that colony have been prepared.

The lithography of a map of Natal, from original surveys by Captain Grantham, R.E., has been completed.

Maps illustrating the progress of the war in Virginia have been prepared and issued to military authorities and others.

The collection of maps of foreign countries in the topographical department is now very complete, and additions are made to it from time to time when notice is obtained of new and desirable publications. The sheets published during the year of the different Government surveys in progress in Europe have been procured; and arrangements have been made for obtaining them as they are published, in exchange for those of the ordnance survey of this country.

2. RETURN showing PERSONS employed, from the 1st January to 31st December 1864.

Major A. C. Cooke, Royal Engineers, Executive Officer.

Major F. Miller, Royal Artillery, Topographical Staff.

Captain M. Petrie, 14th Regiment, Topographical Staff, to 30th June 1864, inclusive.

Lieut. H. Hozier, from 2nd Life Guards to Topographical Staff, from 1st July 1864, inclusive.

1 Serjeant, Royal Engineers, in charge of accounts, and general superintendence.

1 Corporal, Royal Engineers, attending to the issue and sale of topographical maps, and examining the colouring of plans.

1 Corporal, Royal Engineers, attending to the sale of Ordnance Survey plans.

1 2nd Corporal, Royal Engineers, registering correspondence, making out returns, and issuing stores, stationery, &c.

2 Sappers, clerks, registering circular printing and assisting at sale of Ordnance Survey maps.

1 Librarian.

1 Assistant Librarian.

1 Translator.

7 Lithographers and Draughtsmen.

2 Lithographic Writers (writing forms, circulars, &c., for transfer).

2 Lithographic Printers.

4 Lithographic Form Printers (printing circulars, returns, &c.)

2 Pressmen.

2 Stone Grainers and Cleaners.

1 Office Messenger.

1 Commissionaire.

3. NEW WORKS EXECUTED from 1st January to 31st December 1864.

(Reprints of Works executed during previous years are not included.)

DRAWING AND PRINTING IN LITHOGRAPHY.

	No. of Copies.		No. of Copies.
Alsen, Island of, in Sleswig, copied by the anastatic process - - - - -	482	New Zealand, Sketch of the ground at Rangiriri, the Scene of Action with the Maoris, on 20th November 1863 - - - - -	80
America, Map of.		New Zealand, Plan showing Coast Line from Waitara to Tataraimaka, Province of Taranaki - - - - -	1,664
Army Equipment, Illustrations for, viz. :— Infantry - - - - -	352	New Zealand, Map of the Northern Island, showing the Scene of the Military Operations, 1863-4 - - - - -	273
Medical Staff - - - - -	13	New Zealand, Plans to accompany Quartermaster General's Report - - - - -	3,045
Barracks, Plans of, Atlas Series - - - - -	921	Operations between Grant and Lee, from 4th to 17th May 1864 - - - - -	6
Pocket Series.		Peninsular Battles, Plans of— Massena's Retreat, No. 3 - - - - -	10
(See detailed lists page 18.)		Pulni Mountains, India, Sketches of, by Colonel Douglas Hamilton. Lithographed for the India Office - - - - -	„
Canada, Map of - - - - -	„	Richmond and Petersburg, Virginia, Map of the Neighbourhood of - - - - -	295
China, Map of part of, showing Course of Rebellion - - - - -	„	Shanghai, Plan of the District around under the Protection of the Allied Forces, 1862-3 - - - - -	40
Dover, Sketches of Ground within range of Batteries at - - - - -	352	Simonoseki, Plan of the Attack of the Japanese at - - - - -	„
European Armies, Illustrations for work on - - - - -	„	Sleswig, Map of, produced by the anastatic process - - - - -	52
Map of Spain - - - - -	„	Do. Map of part of, produced by photozincography, to illustrate a blue book for the Foreign Office - - - - -	2,620
Italy - - - - -	„	Sumpter and Wagner Forts, Maps showing Siege Operations against - - - - -	56
Fort George, Mauritius, Details of roofing over Casemates for Contractors - - - - -	111	Syr Daria River to Bokhara, Route from, Map of - - - - -	32
Fredericia, Map of the Fortress of - - - - -	162	Triangulation of Europe - - - - -	52
Fyen, Map of, produced by the anastatic process - - - - -	104	Virginia, Maryland, and Pennsylvania, Map of - - - - -	332
Hill Sketch for Council of Military Education for Military Examination - - - - -	250	Yokohama, Map of - - - - -	6
Jutland, Map of, copied by the anastatic process - - - - -	634	Wimbledon Common, Plan of, taken from the Ordnance Survey - - - - -	50
Kagosima, Japan, Plan of the Bombardment of Medical Department. Plates to accompany Pamphlet on Hospital Service - - - - -	42		
Montreal, Map of the Country in the Vicinity of - - - - -	12,489		
Natal, Map of, lithographed from a Survey by Captain Grantham, R.E. - - - - -	140		
Newhaven, Experiments at, Drawings to illustrate Report of Ordnance Committee - - - - -	46		
Newhaven, Sketch of War Department Property at - - - - -	299		
New Zealand, Map of the Neighbourhood of the Waikato River - - - - -	299		
New Zealand, Map of Paterangi, showing Defences - - - - -	299		

WORKS IN PROGRESS.

DRAWING AND PRINTING.

Army Equipment, illustrations for—

Cavalry.
 Artillery.
 Engineers.
 Military Train.
 Infantry.
 Commissariat.
 Hospital Service.

Barracks, Plans of, Pocket Series.

Canada, Map of (compilation of).

Natal, Map of, lithographed from a Survey by Captain Grantham, R.E.

New Zealand, Maps to accompany Dispatches.

Pulni Mountains, India, Sketches of, by Colonel

Douglas Hamilton, lithographed for the India Office.

Barracks, Plans of, Atlas Series.

* RETURN showing the State of the Progress of the Series of PLANS of BARRACKS, FORTS, &c., in GREAT BRITAIN and IRELAND.

			Atlas Edition.			Pocket Edition		
Military District.	Division.	No. of Plans.	No. Drawn.	No. Lithographed.	Bound.	No. Drawn.	No. Lithographed.	Bound.
ENGLAND.								
Northern	-	31	31	31	Yes	31	31	Yes
Western	-	54	—	—	—	—	—	—
South-Western	-	40	40	40	Yes	40	40	Yes
South-Eastern	Brighton	49	49	49	Yes	49	49	Yes
	Dover	77	76	70	—	—	—	—
Head Quarters	Woolwich	10	4	—	—	—	—	—
	Aldershot	10	10	10	Yes	10	10	Yes
	Chatham	6	1	1	—	—	—	—
	Eastern	50	1	—	—	—	—	—
	Gravesend	5	1	1	—	—	—	—
	London	19	19	19	Yes	19	19	Yes
	Manufacturing	8	4	2	—	—	—	—
	Sheerness	12	1	—	—	—	—	—
	South Wales	8	2	—	—	—	—	
Total		379	239	223	—	149	149	—
SCOTLAND.								
North British	-	34	—	—	—	—	—	—
IRELAND.								
Dublin or Northern	Belfast	24	24	24	Yes	24	24	—
	Dublin Engineer District (not including Dublin)	39	25	11	—	—	—	—
	Dublin and Dublin Bay	39	39	39	Yes	39	39	Yes
Curragh or South-Eastern	-	19	—	—	—	—	—	—
Cork or South-Western	Cork	54	10	2	—	—	—	—
	Limerick	46	—	—	—	—	—	—
Total		221	98	76	—	63	63	—
Grand Total		634	337	299	—	212	212	—

RETURN showing the State of the Progress of the Series of PLANS of BARRACKS, FORTS, &c., in the BRITISH COLONIES.

NAME OF COLONY.	No. of Plans.	Atlas Edition.			Pocket Edition.		
		No. Drawn.	No. Litho- graphed.	Bound.	No. Drawn.	No. Litho- graphed.	Bound.
Australia - - - - -	15	—	—	—	—	—	—
Belize - - - - -	2	—	—	—	—	—	—
Bermuda - - - - -	22	—	—	—	—	—	—
Canada - - - - -	12	12	12	Yes	—	—	—
Cape of Good Hope - - - - -	30	—	—	—	—	—	—
Ceylon - - - - -	14	—	—	—	—	—	—
Channel Islands, viz. :—							
Alderney - - - - -	13	—	—	—	—	—	—
Guernsey - - - - -	25	—	—	—	—	—	—
Jersey - - - - -	8	—	—	—	—	—	—
Gibraltar - - - - -	20	—	—	—	—	—	—
Guiana, British - - - - -	6	—	—	—	—	—	—
Hong Kong - - - - -	16	—	—	—	—	—	—
Ionian Islands - - - - -	17	—	—	—	—	—	—
Malta - - - - -	12	—	—	—	—	—	—
Mauritius - - - - -	16	—	—	—	—	—	—
Natal - - - - -	3	—	—	—	—	—	—
New Brunswick - - - - -	17	17	17	Yes	17	17	Yes
Newfoundland - - - - -	17	—	—	—	—	—	—
New Zealand - - - - -	8	—	—	—	—	—	—
Nova Scotia - - - - -	32	32	32	Yes	32	32	Yes
Saint Helena - - - - -	13	—	—	—	—	—	—
Sierra Leone - - - - -	6	—	—	—	—	—	—
Tasmania - - - - -	9	—	—	—	—	—	—
West Indies, viz. :—							
Antigua - - - - -	1	—	—	—	—	—	—
Bahamaß - - - - -	15	—	—	—	—	—	—
Barbadoes - - - - -	19	—	—	—	—	—	—
Honduras - - - - -	3	—	—	—	—	—	—
Jamaica - - - - -	15	—	—	—	—	—	—
Saint Lucia - - - - -	5	—	—	—	—	—	—
Trinidad - - - - -	8	—	—	—	—	—	—
Total - - - - -	399	61	61	—	49	49	—

RETURN of FORMS, CIRCULARS, and RETURNS printed, 1st January to the 31st December 1864.

Name of Department supplied.	Number printed.	Remarks.
Adjutant-General's Department - - - - -	55,948	
Army Medical Department - - - - -	3,150	
Artillery, Royal, Adjutant-General's Office - - - - -	3,850	
Asylum, Royal Military - - - - -	800	
Cavalry, Inspector-General's Office - - - - -	456	
Infantry - - - - -	80	
Commander-in-Chief's Office - - - - -	13,300	
Council Office - - - - -	200	
Engineers, Royal, Adjutant-General's Office - - - - -	5,840	
Home Office - - - - -	23,954	
Paymaster-General's Office - - - - -	10,780	
Quartermaster-General's Office - - - - -	18,924	
Recruiting Department - - - - -	7,274	
Topographical Department - - - - -	10,701	
War Office - - - - -	32,898	
Contract Branch, War Office - - - - -	50,259	
Total - - - - -	238,414	

4.—The house at No. 4, New Street, Spring Gardens, which is temporarily occupied as an office for the Topographical and Statistical Depôt, is, from its construction, very unsuited for such an office, and does not afford sufficient room for properly carrying on the work, or for the stock of maps, plans, &c., which ought always to be in store there.

Ordnance Survey Office,
Southampton, 15th February 1865.

HENRY JAMES,
Colonel Royal Engineers.

LONDON :
Printed by GEORGE E. EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.

ARMY PENSIONS.

RETURN to an Address of the Honourable The House of Commons,
dated 10 March 1865 ;—*for*,

“ COPY of the WARRANT for the Constitution of the STAFF of CHELSEA HOSPITAL, and for laying down the
Terms on which PENSIONS are Granted to SOLDIERS of the BRITISH FORCES on Discharge.”

War Office, }
13 March 1865.

HARTINGTON.

VICTORIA R.

OUR WILL AND PLEASURE is that, from and after the date of this Our Royal Warrant, the following shall be
the Establishment, Duties, Salaries, and Allowances in Money and Kind, for the Officers, Under Officers,
Clerks, Soldiers, Nurses, Servants, &c., for Our Royal Hospital at *Chelsea*, viz. :—

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
GOVERNOR - - - - - LIEUTENANT GOVERNOR - - - - - The military authority of the Hospital is with the Governor, when present, and in his absence with the Lieutenant Governor. To attend the meetings of the Boards of which they are Commissioners. The direction of the general affairs of the Hospital, and of the out-pensioners thereto belonging, in all matters relating to the grant, increase, or continuation of pension, is vested by Royal Patent, under the Great Seal, in a Board of Commissioners, of which the Paymaster General for the time being, as Treasurer of the Hospital, is chairman.	£. 500 per annum - £. 400 per annum.	Unfurnished apartments each, with the exception of the “State Room” in the Governor’s house, which is furnished at the public expense. The Governor has two coach-houses, stalls for eight horses, and a coachman’s residence. The Lieutenant Governor, standing for two carriages, stalls for five horses, and a coachman’s residence. Thirty-one tons of coals to the Governor, and 30 to the Lieutenant Governor, and 100 lbs. of wax and 200 lbs. of tallow candles, and 45,000 cubic feet of gas each.	Must be General Officers of long standing and service.
MAJOR - - - - - To obey the orders of the Governor or Lieutenant Governor with respect to the discipline, &c., of the military officers and soldiers, and see that they perform their duties, and severally conform themselves to the rules of the establishment. To reside in the Hospital, and not to absent himself from his duty without leave from the Governor, or, in his absence, the Lieutenant Governor, which must be applied for in writing.	£. 350 per annum, including his half-pay, or his half-pay with so much salary in addition as will make up 350 l. a year. He may receive a pension for wounds. £. 10 per annum in lieu of clothing, viz., the Windsor uniform.	Unfurnished apartments, coach-house, and stabling for three horses; 12 tons of coals, 150 lbs. of candles, and 25,000 cubic feet of gas.	Should be a Regimental Lieutenant Colonel from the full or half-pay list, or a Lieutenant Colonel unattached. During his absence from the Hospital, the next military officer in seniority to discharge the duties of Major.
SECRETARY TO THE COMMISSIONERS AND REGISTRAR OF OUT-PENSIONERS. To attend the meetings of the Commissioners, and, under their orders, carry out all matters relating to the grant, increase, or continuation, &c., of out-pension to the discharged soldiers from the Army; and all matters relating to the expense, issuing orders to the Pay Office to make payments, and the general management of the Hospital. All matters relating to the adjustment and payment of the claims preferred to unclaimed and forfeited shares of Army Prize Money deposited in the Hospital, and to the legacies bequeathed to the Hospital, are likewise transacted in his office. It is also his duty, in conjunction with the principal medical officer, to represent the Board at Chatham, Woolwich, or elsewhere, and examine the invalids there who may be brought before him, touching their service and claim to pension. By this arrangement much saving of expense to the public, and trouble and inconvenience to the invalids themselves are effected. To reside in the Hospital, and not absent himself from his duties without leave from the Board.	£. 700 per annum. A gratuity of one guinea a day and his travelling expenses on each occasion of representing, in conjunction with the principal medical officer, the Chelsea Board, in the examination of invalid soldiers at Chatham, Woolwich, or elsewhere.	Unfurnished apartments, coach-house, and stalls for two horses; 12 tons of coals, 150 lbs. of candles, and 25,000 cubic feet of gas.	Should be selected for his experience in the duties of his office.

WARRANT FOR THE CONSTITUTION OF

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
PHYSICIAN AND SURGEON - - - - - To afford medical and surgical attendance and medicines to the pensioners and officers, civil and military, and their families resident in the Hospital, and exercise, generally, supervision over all matters connected with, and relating to, the health of the inmates of the establishment. To attend the sick pensioners, and order the matron to supply those in the infirmary requiring it, with whatever diet he may consider best adapted to their respective cases. To see that the deputy and assistant surgeon, dispenser, matron, nurses, &c., properly perform their respective duties. To attend the meetings of the Commissioners, and personally report to them the result of his previous medical examination of the invalid soldiers brought before him for that purpose, either at Chelsea, Chatham, Woolwich, or elsewhere, as explained under the head of the Secretary, and his opinion of their unfitness, or otherwise, for further service; and perform all other duties prescribed for him in his instructions from the Commissioners. To reside in the Hospital, and not absent himself from his duties without the authority of the Board or the Governor, which must be applied for in writing.	£. 500 per annum; not to receive his half-pay. A gratuity of one guinea a day and his travelling expenses on each occasion of representing, in conjunction with the Secretary, the Chelsea Board in the examination of invalid soldiers at Chatham, Woolwich, or elsewhere.	Unfurnished apartments, coach-house, and stalls for two horses; 12 tons of coals, 150 lbs. of candles, and 25,000 cubic feet of gas.	Should be an experienced military medical officer, who has been accustomed to the enlistment into, and discharge from, the Army, of soldiers, and with their ailments; on which point, especially, his opinion will be required by the Board.
CHAPLAIN - - - - - To read prayers in the Chapel at the hours appointed for that purpose on Wednesday and Friday in each week, and on the 29th day of May, being the anniversary of the Restoration of King Charles the Second, the Royal Founder of this establishment. To preach a sermon every Sunday morning and afternoon, and also on the mornings of Christmas Day, Good Friday, and all Fast and Thanksgiving days. To administer the Sacrament of the Lord's Supper on the first Sunday in every month, and also on Easter Day, Whit Sunday, and Christmas Day. To visit the sick officers and soldiers, and servants of the Hospital resident therein, when required, and the Infirmary at least twice in the week; and administer the Holy Sacrament on occasions when he shall consider it necessary, and perform all the other duties prescribed in his instructions from the Commissioners. To reside in the Hospital, and not absent himself from his duties without leave from the Board or the Governor, which must be applied for in writing; nor yet without reporting to the Secretary, for the Board's information and approval, what arrangements he proposes to make for the performance of his duty during his absence.	£. 300 per annum -	Unfurnished apartments, coach-house, and stalls for two horses; 12 tons of coals, 150 lbs. of candles, and 25,000 cubic feet of gas.	Should possess a clear, distinct pronunciation, and preach in language adapted to the understandings of his congregation.
SIX CAPTAINS OF INVALIDS - - - - - To attend to the discipline of their respective companies, and in turn perform the daily or weekly duty of Orderly Captain. To attend as such in the kitchen in the morning at the time appointed, in order to see that the provisions for the men, of every description, are good, and in conformity to the contract in quantity and quality. If not, and the Quartermaster is of the same opinion, the latter officer will take the necessary steps for having them replaced. If, on the contrary, they do not agree on that point, the matter is to be reported by the Captain to the Major, who will appoint a third officer, and the opinion of the majority of the three is to be acted upon. To attend also at the dinner hour, to see that the men's messes are served out, properly cooked, and issued in full quantity. To visit the wards, guard houses, and smoking room, and see that they are clean and in good order, and report the result to the Major for the Governor's information. To attend the weekly payment of the in-pensioners, and receive the money of those men who are absent from the pay table, and certify the correctness of the payment made on account of the pensioners. The Captains to attend the quarterly inspection of the bedding, &c., in their respective divisions, and perform all such other duties as the Governor may order. To reside in the Hospital, and not be absent from their duty without the Governor's leave, which must be applied for in writing, through the Major.	These officers receive their half-pay, which the three Captains have made up to 10s. 6d., and the three Lieutenants to 8s. per diem each. They may likewise receive a pension for wounds, and 10l. per annum each in lieu of clothing—the Windsor uniform.	An unfurnished apartment; eight tons of coals, 100 lbs. of candles, and 15,000 cubic feet of gas, each.	Three to be Captains and three to be Lieutenants, from the half-pay list, of long standing in the Army, or who have been disabled; the latter to have the local rank of Captain in the Hospital. The Commissioners are authorised, when there is a difficulty in finding eligible Lieutenants, to appoint Captains to vacancies created by Lieutenants. In neither case are they to rise in the Army.

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
ADJUTANT - - - - - To perform generally the duty appertaining to an Adjutant. To furnish the Quartermaster, daily, with a return of the number of men to be placed on the house diet, and of those on the infirmary diet, and on furlough, and of the vacancies in the house. To enter the same in a book, which is to be kept for that purpose, and sign an abstract thereof, which the Quartermaster is required to produce quarterly to the Secretary, as a voucher for the number of rations to be charged in the Hospital accounts. To prepare the weekly pay bill, showing the different allowances due to the in-pensioners, &c., and transmit the same to the Secretary, and furnish the latter with a return of all casualties, in order that the men's names may be removed from the out-pension lists. To attend all inspections of the wards, &c., bedding, clothing, &c., and perform, in addition, all such other duties as he has been accustomed to do, or the Governor may direct. To reside in the Hospital, and not absent himself from his duty without leave from the Governor, or other his commanding officer, which must be applied for in writing, through the Major.	£. 200 per annum; not to draw his half-pay, but he may receive a pension for wounds; 10 l. per annum in lieu of clothing—Windsor uniform.	Unfurnished apartments; 8 ton of coals, 100 lbs. of candles and 15,000 cubic feet of gas.	Must be an eligible military officer not above the rank of captain, selected from the full or half-pay list.
QUARTERMASTER - - - - - To perform generally the duties appertaining to a Quartermaster. To personally inspect all articles of provisions of every description supplied for the use of the pensioners, and see that they are strictly in conformity to the terms of the contracts. To attend daily in the kitchen, when they are delivered in, and see that they are properly cooked, and the full quantity served out to the men, as detailed under the head of "Captains of Invalids." To see that the supplies of clothing, bedding, &c., coals, candles, &c., which are delivered over to his charge, for re-issue, are good, both as respects quantity and quality; and, if not, report the same to the Secretary, for the Board's information. To see that the Whitster properly performs her duty, and the in-pensioners and women employed under her superintendence in the laundry, and that the Quartermaster Serjeants and in-pensioners employed in the kitchen, and elsewhere, the coal porters, sweepers, &c., properly and diligently do their respective duties. To inspect quarterly, or oftener if necessary, all supplies of bedding, furniture, &c., belonging to the wards, &c., in order to ascertain their state, and prepare requisitions for replacing or repairing those articles which may require it. To take charge of the money, if any, and effects of in-pensioners dying in the house, and dispose of them to the proper claimants, where there are any; and where not, pay over the proceeds to the Paymaster General, as Treasurer of the Hospital, under such orders as he may, from time to time, receive from the Board through the Secretary. To reside in the Hospital, and not be absent from his duty without leave from the Governor, which must be applied for in writing, through the Major, and acquainting the Secretary therewith, and of the arrangement he proposes to make for the performance of his duty, during his absence, for the information and approval of the Board.	The rate of pay authorised for Quartermasters of Infantry of the Line; may receive pension for wounds, and 10 l. per annum in lieu of clothing—the Windsor uniform. The present Quartermaster receives the maximum rate, viz., 10 s. per diem.	Unfurnished apartments; 8 tons of coals, 100 lbs. of candles, and 15,000 cubic feet of gas.	Must be a subaltern or non-commissioned officer, selected on account of his fitness for performing the various duties which are required of him.
DEPUTY SURGEON - - - - - ASSISTANT SURGEON - - - - - DISPENSER - - - - - The Deputy and Assistant Surgeon receive instructions from the Commissioners, detailing their respective duties in the Hospital, which require generally that they should be guided in the performance thereof, by the rules and regulations of the Medical Department of the Army, obeying, of course, the Physician and Surgeon, as their superior officer. To reside in the Hospital, and not to be absent without leave from the Governor, through the principal medical officer, from whom, likewise, the Dispenser takes his orders.	The Deputy Surgeon and Assistant Surgeon are to receive the full pay of their Army rank, according to length of service, and the Dispenser the same pay as Dispensers. The two former to receive 1 s. a day each in lieu of a servant.	All three to have unfurnished apartments. The Deputy and Assistant Surgeon to receive 8 tons of coals, and 70 lbs. of candles each; the former is allowed 15,000, and the latter 12,000 cubic feet of gas. The Dispenser 4 tons of coals, 70 lbs. of candles, and 10,000 cubic feet of gas.	The Deputy Surgeon and Assistant Surgeon to be appointed from the full or half-pay list. The Dispenser to be selected on account of his fitness for the office.

WARRANT FOR THE CONSTITUTION OF

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
THE MATRON AND HOUSEKEEPER - - - - Her duties generally are to exercise a due supervision over the Nurses, both in the wards and infirmary, and see that they keep the same clean, sweet, and in good order; and take care of the bedding, linen, ward furniture, &c.; mend the linen belonging to their respective wards, and collect it for washing, and receive it back again, and duly perform the several duties required of them. The Nurses are not to be absent without the Matron's leave, who is to report neglect of duty, or any act of misconduct, to the Major in the case of the Ward nurses, and to the Physician and Surgeon in the case of the Infirmary Nurses. To take care that such diet as is ordered by the principal medical officer for the sick be supplied to them, and keep an account thereof, in writing, and furnish the Secretary quarterly, with an abstract thereof, for the Board's information, signed by the principal medical officer. To reside in the Hospital, and not to be absent from her duty, without leave from the Governor, which must be applied for in writing, through the physician and surgeon, and arranging with the latter for the performance of her duty during her absence.	£. 100 per annum, which may be held with pension.	Unfurnished apartments; 6 tons of coals, 70 lbs. of candles, and 12,000 cubic feet of gas.	To be selected with reference to her entire fitness in other respects, from among the widows or daughters of meritorious officers of the Military or Civil Service.
WHITSTER - - - - - To superintend the proper washing and drying the Hospital linen, its collection and re-delivery to the wards, infirmary, &c., and keep an account of the expense thereof, under the orders of the Quartermaster. To issue to the nurses their weekly allowance of soap. To be assisted in the performance of her duties by as many women (the wives or widows of pensioners or discharged soldiers whenever practicable) and in-pensioners, as the Quartermaster, sanctioned by the Board, may consider necessary. To reside in the Hospital, and not absent herself, without first obtaining leave from the Governor, which must be applied for in writing, through the Quartermaster, and arranging with him for the performance of her duty during her absence.	£. 70 per annum, which may be held with pension.	Unfurnished apartments; 6 tons of coals, 70 lbs. of candles, and 12,000 cubic feet of gas.	To be selected with reference to her entire fitness in other respects, from among the widows or daughters of meritorious officers of the Military or Civil Service.
ORGANIST - - - - - To play the organ on Sundays, Wednesdays, Fridays, and on all other days on which Divine Service is ordered, and the same required to be performed. To practice in singing the children belonging to the female school in the Hospital. To reside in the Hospital, and not absent herself, without leave from the Governor, which must be applied for in writing, through the Chaplain, and arranging with the latter for the performance of her duty in her absence.	£. 50 per annum, which may be held with pension.	Unfurnished apartments; 4 tons of coals, 60 lbs. of candles, and 12,000 cubic feet of gas.	To be selected from among the widows or daughters of meritorious officers of the Military or Civil Service, if a fit candidate can be found among these classes.
Establishment of four Staff Serjeants and six Companies of In-Pensioners, not to exceed in the whole 538, viz. :— STAFF SERJEANTS: 1 Serjeant-major - - - - - 2 Quartermaster Serjeants - - - - - 1 Serjeant-porter to infirmary - - - - -	2 s. 6 d. to 3 s. per diem. 2 s. to 2 s. 6 d. each per diem. 1 s. 6 d. to 2 s. per diem. The maximum rate at the expiration of three years from their respective appointments.	Apartments supplied, with certain articles of furniture; 4 tons of coals, 60 lbs. of candles, and 8,000 cubic feet of gas each, and clothed as Staff Serjeants, and to receive the same rations as the in-pensioners.	To be out-pensioners, selected on account of their fitness. To receive their out-pensions, and to be entitled to some increase thereto, when no longer fit for the duty, in the same manner as is the case with other Staff Serjeants under the pension regulations, provided their conduct should deserve such indulgence.

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
IN-PENSIONERS :			
6 Colour serjeants - - - - -	1 s. per diem - -	To be victualled, lodged, and clothed, according to the established rules of the house.	In filling up vacancies among the serjeants and corporals, preference should always be given, as far as practicable, with reference to their entire fitness in other respects, to those in-pensioners who were discharged from the army in those ranks : or with that view, the appointments may be made directly from men on the out-pension list, who were discharged in those ranks. As regards the admission of in-pensioners, the candidate should not be less than 55 years of age, and have served 21 years in the infantry, or 24 years in the cavalry, where the claim to admission is preferred solely on account of age or long service; but in cases of the loss of one or more limbs, or severe bodily wounds, or other injuries or disabilities, the result of service, disqualifying them from labour, the selection to be governed by the peculiar circumstances of the case. Good character, both in the service and since discharge, to be an essential requisite, and preference should, at all times, be given to those men who bear the best character, and have served the longest period.
24 Company serjeants - - - - -	8 d. „		
24 Corporals - - - - -	4 d. „		
6 Drummers - - - - -	3 d. „		
50 Privates, 1st Class - - - - -	2 d. „		
50 Privates, 2d Class - - - - -	1½ d. „		
378 Privates, 3d Class - - - - -	1 d. „		
538			
To perform such light military duties as may be ordered by the Governor.			
ESTABLISHMENT OF NURSES :			
Six 1st Class Nurses - - - - -	2 s. 3 d. a day, each -	A furnished room and an allowance of coals and light, each, a grey serge gown and petticoat annually, and half the ration of an in-pensioner.	An in-pensioner can leave the house at any time, by permission of the Board, and revert to his out-pension, which he ceases to draw while an in-pensioner; or he may be expelled by the Board for bad conduct, and deprived of all, or a portion of, his out pension.
Nine 2d - ditto - - - - -	1 s. 9 d. „		
Twelve 3d ditto - - - - -	1 s. 6 d. „		
To keep their respective wards clean and in good order, and be kind and attentive to the comforts of the in-pensioners.			
To take care of the bedding, linen, furniture, &c., and mend and collect the bed and men's linen for washing, and receive it back again, and properly dispose of it.			
Not to be absent without leave from the matron.			
ESTABLISHMENT OF CLERKS, &c., IN THE SECRETARY'S OFFICE.			
Two Clerks, 1st Class - - - - -	£. 350 to £. 450 per annum, each, at an annual increase of £. 15.	The First Clerk, in consideration of his having to keep the accounts of the Hospital under the Secretary's direction and supervision, and attending the weekly payment of the in-pensioners and others, and affording the Secretary such assistance as he may require after office hours, is allowed, in addition to his salary, unfurnished apartments, and receives eight tons of coals, 100 lbs. of candles, and 15,000 cubic feet of gas.	The clerks are appointed, subject to the usual preliminary examination by the Civil Service Commissioners.
Four Clerks, 2d Class - - - - -	£. 220 to £. 320 per annum, each, at an annual increase of £. 10.		
Four Clerks, 3d Class - - - - -	£. 90 to £. 200 per annum, each, at an annual increase of £. 10.		
OFFICE KEEPER AND FIRST MESSENGER - - - - -	£. 90 to £. 110, at £. 5 increase per annum.	To have apartments.	

ESTABLISHMENT AND DUTIES.	Salaries and Allowances in Money Annually.	Allowances in Kind.	Qualification, &c.
TWO MESSENGERS - - - - -	To be appointed from among pensioned sergeants; to have 10 s. 6 d. per week, in addition to pension, with quarters and rations as in-pensioners, and a staff sergeant's suit of clothing annually; such service to give an increase of pension under the pension regulations when no longer fit for duty, if recommended by the Commissioners.		
To the Commissioners, to cover the expense of employing in-pensioners and others in the performance of the under-mentioned duties, a sum of money not exceeding, annually, for the whole number - - - - -	£. 1,200	As nearly all these appointments will be held by in-pensioners, they will of course receive their pay, rations, and clothing as such, in addition.	This arrangement will enable the Commissioners to add to, or deduct from, the number of in-pensioners and others employed, as well as authorise an increase or diminution in the rate of their remuneration, according to circumstances, and the amount of duty to be performed; but it does not follow that because such a sum is placed at the disposal of the Commissioners, it is therefore wholly to be expended, unless absolutely required for the due performance of the duties connected with the in-pension establishment.
Viz.:—Chapel clerk, engine-keeper and turncock, watchman, porter to dispensary, surgery-man, cooks in the infirmary, night watchers, bath-keepers, hall-keeper and cellarman, cooks in the kitchen, coal porters and sweepers, barbers, laundry men and women, ward orderlies, organ-blower; for care of board room, &c., &c.			The in-pensioners appointed should be selected with reference to their fitness to perform the respective duties, and only be continued to be employed so long as they are able to perform the same in a satisfactory manner.

With the exception of the Governors of Our Royal Hospital, the Captain of Invalids, and the Pensioners, who are resident therein, by way of Retirement and Reward for their past Services, IT IS OUR FURTHER WILL AND PLEASURE, that all other officers, under-officers, &c., who may hereafter be appointed, be removed from their respective Appointments when no longer capable, in the opinion of Our Commissioners, of performing their duties to the advantage and benefit of the Hospital. AND IT IS OUR FURTHER WILL AND PLEASURE, that from this date no new charge shall be added hereto, without being first sanctioned by Our High Treasurer or Commissioners of Our Treasury for the time being, upon the recommendation of Our Secretary of State for War.

Given at Our Court at St. James's, this 23d day of June 1862, in the 26th year of Our Reign.

By Her Majesty's Command.

G. C. Lewis.

WARRANT RELATING TO PENSIONS OF DISCHARGED SOLDIERS. 7

(Circular No. 871.)

PENSIONS OF DISCHARGED SOLDIERS—HOME AND FOREIGN.

VICTORIA R.

WHEREAS it has been found expedient to revise the Regulations under which Pensions are granted to Discharged Soldiers of Our Army: It is Our Will and Pleasure that instead of the provisions contained in pages from 211 to 237 of Our Royal Warrant of the 1st July 1848, which are hereby cancelled, this Our Royal Warrant, to be administered and interpreted by Our Secretary of State for War, shall be the sole and standing authority upon the matters therein contained.

1. ALL non-commissioned officers and soldiers enlisted prior to the date of this Our Royal Warrant shall, as regards their claim to pension, be entitled to every benefit (not forfeited by misconduct) which they can claim under any Warrants or Regulations in force at the time of their enlistment. Former Warrants in force.

2. No soldier can demand his discharge, as a matter of right, either with or without a pension, until the expiration of his engagement; but discharge may be granted— Grounds of discharge.

- i. On account of incapacity for further service.
- ii. In consequence of reduction of the Military Establishment.
- iii. As an indulgence upon certain conditions.

3. The Commissioners of Chelsea Hospital are charged with the application of those rules which are to govern the ordinary grants of pension, and with the duty of investigating and checking each man's service prior to placing his name on the Pension List. But the Commissioners shall not, without the concurrence of the Secretary of State for War, act upon any discharge which shall not have been completed according to the form prescribed by the Secretary of State for War; nor upon such discharge, unless it be brought before them within six months after the date on which the soldier shall have quitted the service. Ordinary grants by Chelsea Commissioners.

4. The pecuniary benefits attaching to cases of disability are, as a rule, to be limited to disability caused in and by the Service; but in cases of soldiers whose services and good conduct, combined with the information obtained at their personal examination by the proper authorities, may appear to give them a claim to some consideration, gratuities or pensions for short periods may be granted by the Commissioners of Chelsea Hospital, although the disability rendering them unfit to remain in the army may not be stated in the discharge documents distinctly to have been contracted in and by the Service. Disability.

5. Such other special deviations from these general rules as are hereinafter expressed, or as may appear advisable to Her Majesty, will be made by the Secretary of State for War, with whom alone it rests to interpret the true intent and meaning of any passage in this Warrant on which a doubt may arise. Special grants.

6. The amount of pension granted by the Commissioners of Chelsea Hospital shall not exceed the rates fixed by this Warrant. In special cases, however, of men whose disabilities shall have increased subsequently to their leaving the Service, and who shall not have been awarded the maximum rate of Pension, the Commissioners may re-consider such cases, if any peculiar circumstances justifying such a proceeding shall occur, and be brought forward within two years after the original grant of pension. Increase of pension.

SOLDIERS DISCHARGED ON ACCOUNT OF INCAPACITY FOR FURTHER SERVICE.

Permanent Pensions.

7. Permanent pensions shall be granted to men discharged in consequence of being rendered incapable of further service by wounds or injuries received in action, according to the following Scales:— Wounds received in action.

Europeans.

R A N K.	FIRST DEGREE.		SECOND DEGREE.	
	Men losing Two Limbs or both Eyes, from Wounds, or being so severely Wounded as to be Totally Incapable of Earning a Livelihood, and to require the Assistance and Care of some other Person.		Men rendered Incapable of Further Service by Wounds or Injuries received in Action, not of the First Degree.	
	From <i>s. d.</i>	To <i>s. d.</i>	From <i>s. d.</i>	To <i>s. d.</i>
Serjeant - - - - -	2 6	3 6	1 -	3 -
Corporal or bombardier - - -	2 -	3 -	- 9	2 -
Gunner, driver, sapper, or private -	1 6	2 6	- 6	1 6

The pension shall be fixed, according to the rates in the foregoing scale, by the Commissioners of Chelsea Hospital, who will grant the lowest or the highest, or any intermediate rate, according to the degree of the injury received, the length of the soldier's service, his character, number of distinguishing marks in possession, or any peculiar circumstances attending his conduct at the time the wound was received; and in cases of gallant conduct in the field, a sum not exceeding sixpence a day may be granted by the Commissioners of Chelsea Hospital, on the recommendation of the Commander-in-Chief, with the consent of the Secretary of State for War, as Her Majesty's Royal Bounty, in addition to pension.

To Black Soldiers Discharged from Corps raised for Service in the West Indies and Africa.

R A N K.	FIRST DEGREE.	SECOND DEGREE.	THIRD DEGREE.
	Men losing Two Limbs or both Eyes, from Wounds, or being so severely Wounded as to be Totally Incapable of Earning a Livelihood, and to require the Assistance and Care of some other Person.	Men rendered Incapable by Wounds of Earning a Livelihood, but not requiring the Aid of another Person.	Men able to Contribute towards Earning a Livelihood, although rendered by Wounds unfit for the Ordinary Duties of a Soldier.
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
Serjeant - - - - -	1 -	- 10	- 8
Corporal or bombardier - - - - -	- 10	- 8	- 7
Gunner, driver, or private - - - - -	- 9	- 7	- 6

In cases of extreme suffering from wounds received in action by Black non-commissioned officers or soldiers of long service, or of gallant conduct in the field, a sum not exceeding three pence a day may be granted, at the recommendation of the Commander-in-Chief, by the Commissioners of Chelsea Hospital, with the consent of the Secretary of State for War, as Her Majesty's Royal Bounty, in addition to pension.

Blindness. 8. Men who shall become totally blind from unavoidable causes, other than wounds, but clearly attributable to the Military Service alone, shall be entitled to permanent pensions, according to the following Scale:—

	European.		Black.
	From	To	
	<i>s. d.</i>	<i>s. d.</i>	<i>s. d.</i>
Gunner, driver, sapper, or private - - - - -	1 -	1 6	- 9
Corporal or bombardier, having served 5 years as such	1 3	1 9	- 10
Sergeant, having served as a non-commissioned officer 8 years, and not less than 3 years as a Sergeant.	1 6	2 6	1 -

If the soldier shall have served more than 14 years in the Artillery, Engineers, or Infantry, or more than 17 years in the Cavalry, and be discharged with a constitution impaired by the effects of Colonial service, besides being afflicted with total blindness, an increase to the above rates, not exceeding for a—

	European.	Black.
	<i>s. d.</i>	<i>s. d.</i>
Gunner, driver, sapper, or private - - - - -	- 3	- 1½
Corporal or bombardier - - - - -	- 4	- 2
Sergeant - - - - -	- 6	- 3

may be added by the Commissioners, with the consent of the Secretary of State for War.
No soldier shall be discharged for the loss of an eye only, whether it be the right or the left; but if a soldier shall have lost one eye by a wound in action, or by the effects of service, and shall receive other wounds or injuries in action, or be otherwise so disabled as to

to render his discharge necessary, the loss of an eye shall be taken into consideration in fixing the pension at such a rate as his combined wounds or disabilities may entitle him to receive.

9. Men discharged after 21 years' service in the Artillery, Engineers, or Infantry, or 24 years' service in the Cavalry, shall be entitled to pensions according to the following scales:—

Discharge after certain periods of service.

1st. To Europeans enlisted in the Cavalry or Infantry previously to the 2d March 1833, and in the Artillery or Engineers previously to the 16th April 1833, and discharged unfit for the ordinary duties of a soldier, in consequence of disabilities contracted in and by the service.

	After Years of Service.	Rates.
Gunner, driver, sapper, or private :		<i>s. d.</i>
Cavalry - - - - -	24	1 - a day.
	28	1 2 "
Artillery, Engineers, or Infantry - - - - -	21	1 - "
	25	1 2 "

2d. To Europeans enlisted in the Cavalry or Infantry subsequently to the 1st March 1833, and in the Artillery or Engineers subsequently to the 15th April 1833, and discharged after completing 21 years' service in the Artillery, Engineers, or Infantry, or 24 years in the Cavalry, at their own request or for the public service, and to black soldiers.

	European.	Black.
Gunner, driver, sapper, or private - - - - -	8 d. to 1 s. a day	6 d. a day.

The increase for Europeans from the minimum shall be in each case $\frac{1}{2}$ d. a day for every year of actual service completed beyond 21 years in the Artillery, Engineers, or Infantry, or 24 years in the Cavalry; but the maximum shall not be exceeded, except by reward for good conduct, when it may be extended to 1 s. 3 d. a day.

European serjeant-majors, quartermaster serjeants, troop or battery serjeant-majors, battery quartermaster serjeants, colour serjeants, serjeants, corporals, and bombardiers, shall have their pensions computed with reference to the dates of their enlistment, and black non-commissioned officers, without reference to the date of enlistment, at the same rate as gunners, drivers, sappers, or privates, with the following addition for every year of service as non-commissioned officers:—

Increase for non-commissioned officers.

EUROPEAN :		<i>s. d.</i>	Total pension not to exceed	<i>s. d.</i>
Serjeant-major - - - - -	- - - - -	2 $\frac{1}{2}$		2 6
Quartermaster serjeant or farrier-major - - - - -	- - - - -	2		2 3
Troop or battery serjeant-major, battery quartermaster serjeant, colour serjeant, serjeant, farrier serjeant, and other artificers ranking as serjeant.	- - - - -	1		2 -
Corporal, bombardier, and artificers ranking as such.	- - - - -	$\frac{1}{2}$		1 6
BLACK :				
Serjeant - - - - -	- - - - -	$\frac{1}{2}$	Total pension not to exceed	1 4
Corporal or bombardier - - - - -	- - - - -	$\frac{1}{4}$		1 -

Provided always, that the non-commissioned officer shall have served 24 years in the Cavalry or 21 years in the Artillery, Engineers, or Infantry, and shall have been discharged as a non-commissioned officer, having served without interruption as such for one year immediately preceding his discharge. And no non-commissioned officer shall receive the aforesaid superior rates if discharged whilst holding an inferior rank.

10. To men enlisted in the Cavalry or Infantry subsequently to the 1st March 1833, and in the Artillery or Engineers subsequently to the 15th April 1833, and discharged after 21 years' service in the Artillery, Engineers, or Infantry, and 24 years' service in the Cavalry, for disabilities contracted in and by the service, which not only unfit them for the ordinary duties of soldiers, but which render them incapable of earning a livelihood, the Commissioners of Chelsea Hospital may grant a temporary increase of pension to each rank to the following extent:—

Men incapable of earning a livelihood.

	European.	Black.
	<i>s. d.</i>	<i>s. d.</i>
Gunner, driver, sapper, or private - - - - -	- 3	- 1 a day.
Corporal or bombardier - - - - -	- 4	- 1 $\frac{1}{2}$ "
Serjeant - - - - -	- 6	- 2 $\frac{1}{2}$ "

The aggregate pension, however, is in no case to exceed the maximum granted in Article 9; and such increase is only to be granted for one year, and to be renewed thereafter by the Commissioners of Chelsea Hospital, for such period as they may, under the circumstances of the case, conceive proper, on evidence of the pensioner's continued incapacity to earn a livelihood.

Permanent disabilities.

11. Soldiers discharged on account of permanent disabilities contracted in and by the service after 14, but under 21 years in the Artillery, Engineers, or Infantry, or after 17 but under 24 years in the Cavalry, shall be entitled to receive pensions at the following rates; viz. :—

	European.		Black.	
	s.	d.	s.	d.
Serjeant - - - - -	-	9 to 1	-	5 a day.
Corporal or bombardier - - - - -	-	7 to 1	-	4 „
Gunner, driver, sapper, or private - - - - -	-	6 to - 10	-	3½ „

such pensions being granted either permanently or conditionally, as the Commissioners of Chelsea Hospital shall in their discretion consider to be warranted by the nature of the disability. Provided, however, that in the case of a serjeant, corporal, or bombardier, discharged as such, his service shall have been at least of three years' duration in the rank of a non-commissioned officer.

The precise amount of pension shall be regulated by the time the soldier may have served, the climate in which he may have been serving, the degree of the disability as affecting his means of earning a livelihood, and his conduct while serving.

Renewal, &c. of conditional pension.

The conditional pensions which may have been awarded by the Commissioners of Chelsea Hospital to men discharged as unfit for the ordinary duties of a soldier, on account of disabilities contracted in and by the service, after the completion of 14 years' service in the Artillery, Engineers, or Infantry, or of 17 years in the Cavalry, may, under extraordinary circumstances of extreme suffering, or of continued or permanent incapacity to earn a sufficient livelihood, be renewed or made permanent.

Temporary Pensions, or Gratuities in lieu thereof.

Men unfit for ordinary duty.

12. Men discharged previously to the completion of 21 years' service in the Artillery, Engineers, or Infantry, or of 24 years' service in the Cavalry, on account of their being unfit for the ordinary duties of a soldier, in consequence of disability contracted in and by the service, may be allowed temporary pensions, according to the following scale; viz. :—

	European.		Black.	
	6 d. a day.		1½ d. a day.	
Under 7 years' service - - - - -	from 1 to 18 months	-	from 1 to 2 years.	-
Above 7 but under 10 years' service - - - - -	from 1 to 2 years	-	from 2 to 3 years.	-
Above 10 but under 14 years' service in the Artillery, Engineers, or Infantry, or under 17 years in the Cavalry.	from 2 to 3 years	-	from 3 to 5 years.	-
Above 14 but under 21 years' service in the Artillery, Engineers, or Infantry, and above 17 but under 24 years in the Cavalry.	from 3 to 5 years	-	from 5 to 7 years.	-

Renewal, &c. of temporary pension.

In severe cases of disability or injury, resulting entirely from military duty, or from the effects of climate, under 21 years' service in the Artillery, Engineers, or Infantry, or under 24 years' service in the Cavalry, the temporary pension may be renewed by the Commissioners of Chelsea Hospital for such further period as the special circumstances of the case may, in their judgment, warrant, or, under extraordinary circumstances of extreme suffering or of permanent incapacity to earn a sufficient livelihood, the temporary pension may, on the recommendation of the Commissioners, be made permanent by the Secretary of State for War; and in special cases of men of this class, whose service shall be above 14 but under 21 years in the Artillery, Engineers, or Infantry, and above 17 but under 24 years in the Cavalry, the rate of pension may be increased to that warranted for men discharged under the provisions of Clause 11, on account of permanent disabilities.

Addition to pension.

A non-commissioned officer, who shall have served continuously as such, at least three years in the rank of non-commissioned officer, may be allowed an addition to the temporary pension which would have been granted to him if he had been discharged as a gunner, driver, sapper, or private, not exceeding the following rates; viz. :—

	European.		Black.	
	s.	d.	s.	d.
Corporal or bombardier - - - - -	-	2	-	½
Serjeant - - - - -	-	4	-	1

In special cases where it may be considered more advantageous to the European soldier's interests that a gratuity in money, proportioned to the length of his services, and the duration of the temporary pension awarded, should be given instead of the temporary pension, a sum varying from 1 £. to 30 £. may be allowed; but in every instance the gratuity shall be paid to the soldier only after his arrival at the place of his intended future residence.

Gratuities in lieu of temporary pension.

SOLDIERS DISCHARGED ON REDUCTION.

13. Permanent pensions shall be allowed to men discharged without disability, in consequence of the reduction or disbandment of their regiments, after a service of 21 years in the Artillery, Engineers, or Infantry, or of 24 years in the Cavalry; but the rates shall in no case exceed those granted by this warrant, according to the date of their enlistment, to men discharged as unfit for the ordinary duties of a soldier, and shall be proportioned to the length of the man's service, and his merits as a soldier.

Permanent pension on reduction.

14. Temporary pensions, or the gratuities in lieu thereof, according to the scales in Article 12, may also be granted, at the discretion of the Commissioners, to men discharged, without disability, for the convenience of the public service, in consequence of the reduction or disbandment of their regiments, after a service of 14, but under 21 years, in the Artillery, Engineers, or Infantry; or after 17, but under 24 years' service, in the Cavalry; and such men shall be eligible to re-enter the service according to the rule laid down in Article 28.

Temporary pension on reduction.

SOLDIERS DISCHARGED AS AN INDULGENCE.

15. Soldiers of good character may purchase their discharge, or obtain free discharge at their own request, upon the terms specified in the scales in Articles 16 and 17, if they shall have served the requisite period; but the number of men to be annually discharged, and the selection of the individuals, shall be governed by such instructions as the Commander-in-Chief, with the concurrence of the Secretary of State for War, may give from time to time for extending or limiting the numbers, or for wholly suspending the permission.

By purchase, &c.

16. Soldiers enlisted for limited terms of service wishing to obtain their discharge at home, or, if in the colonies, for the purpose of returning home (also Blacks), may do so on the following conditions:—Service as serjeant, or in other ranks above that of corporal, reckoning as good conduct service, such service being equivalent to the possession of distinguishing marks.

Discharges free, or by purchase.

	EUROPEANS.							
	Royal Artillery.				Royal Engineers.	Cavalry.	Infantry.	Blacks.
	Horse Brigade.		Field and Garrison Brigades.		N.C. Officers, Sappers, and Drivers.			
	N.C. Officers, Gunners, and Artificers.	Drivers.	N.C. Officers, Gunners, and Drivers.	Artificers.				
	£.	£.	£.	£.	£.	£.	£.	£.
Under 6 months' service - -	25	20	20	25	25	—	—	—
Under 7 years' actual service without a distinguishing mark (Artillery and Engineers above 6 months, but under 7 years).	35	30	30	35	35	30	20	12
Above 5 and under 7 years' actual service with one distinguishing mark, or with service equivalent thereto in ranks above that of corporal.	30	25	25	30	30	25	18	11
After 7 years' actual service without a distinguishing mark.	30	25	25	30	30	25	18	9
After 7 years' actual service with one or more distinguishing marks, or with service, &c.	24	20	20	24	24	20	15	8
After 10 years' actual service without a distinguishing mark.	24	20	20	24	24	20	—	—
After 10 years' actual service with one distinguishing mark, or with service, &c.	18	15	15	18	18	15	—	—
After 10 years' actual service with two distinguishing marks, or with service, &c.	12	10	10	12	12	10	—	—
[End of scale for first period of service.]								

	EUROPEANS.							
	Royal Artillery.				Royal Engineers.	Cavalry.	Infantry.	Blacks.
	Horse Brigade.		Field and Garrison Brigades.		N.C. Officers, Sappers, and Drivers.			
	N.C. Officers, Gunners, and Artificers.	Drivers.	N.C. Officers, Gunners, and Drivers.	Artificers.				
AFTER RE-ENGAGEMENT OR RE-ENLISTMENT, RECKONING FORMER SERVICE:	£.	£.	£.	£.	£.	£.	£.	£.
Under 7 years' actual service without a distinguishing mark.	35	30	30	35	35	30	20	12
Above 5 and under 7 years' actual service with one distinguishing mark, or with service equivalent thereto in ranks above that of corporal.	30	25	25	30	30	25	18	11
After 7 years' actual service without a distinguishing mark.	30	25	25	30	30	25	18	11
After 7 years' actual service with one or more distinguishing marks, or with service, &c.	27	23	23	27	27	23	16	9
After 10 years' actual service without a distinguishing mark.	25	21	21	25	25	21	15	7
After 10 years' actual service with one or more distinguishing marks, or with service, &c.	18	15	15	18	18	15	10	5
After 10 years' actual service with two distinguishing marks, or with service, &c.	14	12	12	14	14	12	7	4
After 12 years' actual service without a distinguishing mark.	18	15	15	18	18	15	10	5
After 12 years' actual service with one distinguishing mark, or with service, &c.	14	12	12	14	14	12	7	4
After 12 years' actual service with two distinguishing marks, or with service, &c.	11	10	10	11	11	10	6	3
After 13 years' actual service without a distinguishing mark.	16	12	12	16	16	12	7	4
After 13 years' actual service with one distinguishing mark, or with service, &c.	12	10	10	12	12	10	6	3
After 13 years' actual service with two or more distinguishing marks, or with service, &c.	10	9	9	10	10	9	5	2
After 14 years' actual service without a distinguishing mark.	14	12	12	14	14	12	6	3
After 14 years' actual service with one distinguishing mark, or with service, &c.	10	9	9	10	10	9	5	2
After 14 years' actual service with two or more distinguishing marks, or with service, &c.	9	8	8	9	9	8	4	1
After 15 years' actual service without a distinguishing mark.	10	9	9	10	10	9	5	free
After 15 years' actual service with one distinguishing mark, or with service, &c.	6	5	5	6	6	5	4	free
After 15 years' actual service with two or more distinguishing marks, or with service, &c.	5	4	4	5	5	4	3	free
After 16 years' actual service without a distinguishing mark.	6	5	5	6	6	5	4	free
After 16 years' actual service with one distinguishing mark, or with service, &c.	5	4	4	5	5	4	3	free
After 16 years' actual service with two or more distinguishing marks, or with service, &c.	free	free	free	free	free	free	ree	free
After 17 years' actual service and upwards.	free	free	free	free	free	free	free	free

Discharged soldiers re-engaging or re-enlisting, and not entitled to reckon former service, may be discharged on the conditions specified in the first part of the above scale. The sum to be paid in ordinary cases for the discharge of an army schoolmaster is 50 £., which may, however, in special cases, be reduced to a less amount.

17. Soldiers enlisted for limited terms of service, and being present with their regiments in the colonies, may, subject to such instructions as shall from time to time be given, be permitted to obtain discharge, at their own request, on the following terms :—

Discharges of soldiers serving in the colonies.

	Royal Artillery.				Royal	Cavalry.	Infantry.
	Horse Brigade.		Field and Garrison Brigades.		Engineers.		
	N.C. Officers, Gunners, and Artificers.	Drivers.	N.C. Officers, Gunners, and Drivers.	Artificers.	N.C. Officers, Sappers, and Drivers.		
Under 7 years' actual service upon payment of - - - - -	£. 35	£. 30	£. 30	£. 35	£. 35	£. 30	£. 20
Above 7 years' actual service upon payment of - - - - -	18	15	15	18	18	15	10
Above 8 years' actual service upon payment of - - - - -	12	10	10	12	12	10	7
After Re-engagement or Re-enlistment, if allowed to reckon former Service:							
Under 14 years' actual service on payment of - - - - -	35	30	30	35	35	30	20
After 14 years' actual service on payment of - - - - -	35	30	30	35	35	30	free*
After 15 years' actual service on payment of - - - - -	free*	free*	free*	free*	free*	free*	free*

* With gratuity, as in the scale below.

When a soldier may wish to settle in the colonies, he may, upon receiving a free discharge for that purpose, and if in good health, to be shown by medical certificate, be allowed by the Secretary of State for War a gratuity proportionate to the length of his service, according to the following scale ; but this gratuity shall be paid to him only in the colony in which he proposes to settle, and in such manner, and at such times, but within 18 months after his arrival, as shall be deemed best for his interest by the general officer in command of the station, or by the governor of the colony ; but the permission to settle in the colonies will, of course, be governed by the instructions of the Secretary of State for the colonies ; provided that, in the case of the bombardier, corporal, and serjeant, he shall have served continuously five years immediately preceding his discharge in the rank of non-commissioned officer.

Gratuities to men becoming settlers in the colonies.

Artillery and Engineers.	Cavalry.	Infantry.	Europeans.			Blacks.		
			Gunner, Driver, Sapper, or Private.	2d Corporal, Corporal, or Bombardier.	Serjeant.	Gunner or Private.	Corporal or Bombardier.	Serjeant.
	After 15 years	After 14 years	£. 10	£. 15	£. 20	£. 6	£. 9	£. 12
	" 17 "	" 16 "	12	18	24	7	10	14
After 15 years	" 18 "	" 17 "	14	20	28	8	12	16
" 16 "	" 19 "	" 18 "	16	24	32	9	13	18
" 17 "	" 20 "	" 19 "	18	27	36	10	15	20
" 18 "	" 21 "	- -	20	30	40	11	16	22
" 19 "	" 22 "	- -	24	36	48	12	18	24

18. In all cases of free discharge, a period of not less than 30 days, for the purpose of giving a soldier sufficient time for deliberation, shall elapse between the soldier's application and the commanding officer's consent to recommend the discharge ; and the prospect of permanent pension which the soldier will forfeit by accepting a free discharge at his own request, shall be clearly explained to him.

Time for deliberation.

REWARDS FOR DISTINGUISHED AND MERITORIOUS SERVICE.

19. With the view of rewarding distinguished and meritorious services, and of promoting good conduct in the army, a sum not exceeding 4,400*l.* a year may be granted in annuities to serjeants, and such grants may be made, either while the men are serving, or after their discharge, with or without pension, in sums not exceeding 20*l.*, which may be held during service and together with pension.

Annuities.

The serjeants selected for this honorary distinction shall be entitled to receive and wear a silver medal, having on one side the Royal effigy, and on the other the words “for distinguished conduct in the field,” or “for meritorious service,” and the name and regiment of the serjeant, with the date of the grant; and such serjeants will not be liable to forfeit the annuity and medal except by the sentence of a general, district, or garrison court-martial, in accordance with the provisions of the Mutiny Act, or by conviction by court-martial of desertion, or by conviction of felony by a court of civil judicature.

It shall rest with the Commander in Chief to select the individuals whom he may recommend for this honourable mark of the Royal approbation.

The special pension of 10*l.* a year, with an additional 5*l.* for each additional bar, granted under the Warrant of 29th January 1856, instituting the decoration of the “Victoria Cross,” “for valour,” may also be held (together with the annuity for distinguished or meritorious service) during service and after discharge.

A “Distinguished Conduct” medal may also be granted, without annuity, to serjeants, corporals, and privates, when specially recommended by the Commander in Chief, and approved by the Secretary of State for War, for individual acts of “distinguished conduct in the field.”

Gratuities with pension.

20. With the view of further rewarding meritorious soldiers when discharged, and encouraging good conduct in others while serving, the commanding officer of every regiment, battalion, or corps, may annually recommend to the Commander in Chief such non-commissioned officers and men, while serving, as he shall consider best entitled to a gratuity, provided that the amount recommended to be given in any one year shall not exceed :—

	Europeans.	Blacks.
	£.	£.
For a regiment, battalion, or corps of Cavalry or Infantry, having an establishment of 900 rank and file, and upwards.	40	24
For a regiment, battalion, or corps of 700 rank and file, and under 900.	30	18
For a regiment, battalion, or corps under 700 rank and file - - -	20	12

The annual amount for the Royal Regiment of Artillery and Royal Engineers will be 30*l.* for every 700, or 40*l.* for every 900 rank and file, and 20*l.* for any remainder under 700, or 30*l.* for any remainder under 900 rank and file.

Commanding officers will be unfettered in their discretion in recommending this gratuity to be conferred upon such individuals, whether serjeants, corporals, bombardiers, gunners, drivers, sappers, or privates, as they may be satisfied to have been the best conducted men, the only limitation being the aggregate amount to be annually awarded.

	Europeans.	Blacks.
	£.	£.
The gratuity to a serjeant who shall have served 10 years as such shall be - - - - -	15	9
To a corporal or bombardier who shall have served 7 years as such, or to a serjeant who shall have served 7 years as bombardier, corporal and serjeant - - - - -	10	6
To a gunner, driver, sapper, or private - - - - -	5	3

In any year in which an European non-commissioned officer of a Black corps shall be awarded a gratuity, the same shall be allowed at the rate for Europeans; but in order that the interests of the coloured soldiers shall not be prejudiced by the association with them of Europeans, the difference between such rate and that for Blacks may be admitted in excess of the total sum for the year, according to the scale for Black regiments, provided the whole amount does not exceed that to which an European regiment of equal strength would be entitled.

The men to be recommended for this gratuity, without reference to the total length of their service, must in the Cavalry for 21 years, and in the Artillery, Engineers or Infantry for 18 years, have borne an irreproachable character, and have not, during those periods, been convicted by a court-martial; or if not coming strictly within these latter conditions, must have particularly distinguished themselves by gallantly and zeal in the service.

The gratuity so awarded will, shortly after presentation of the medal, be placed in the regimental savings' bank to be there held, not under the control of the soldier, but at interest until his discharge, and shall be deemed to be his personal property, subject only to surrender on promotion to the rank of commissioned officer, or upon a medal with annuity for

for distinguished conduct in the field or for meritorious conduct being awarded; or to forfeiture by desertion, or by the sentence of a general, district, or garrison court-martial, accordance with the provisions of the Mutiny Act, or by the conviction of felony by a court of civil judicature; and should he die before he has completed 24 years' service in the Cavalry, or 21 years' service in the Artillery, Engineers, or Infantry, or after completing such service before his discharge, such gratuity, with its accumulated interest, shall be deemed to be a part of his effects, and be payable to his legal representative.

With the view of further marking meritorious conduct, and of inciting other soldiers to imitate such conduct, the soldiers to whom the above gratuity may be awarded shall be entitled to wear a silver medal, having on one side the words "for long service and good conduct," and on the other side the Royal Arms, with the name and rank of the soldier. This medal will be delivered to the soldier by the commanding officer of the regiment, battalion, or corps, on parade, and shall be worn by him, as an honourable testimonial of his conduct, during the remainder of his service.

The Commander-in-Chief will notify to the Secretary of State for War the names of the individuals to whom these gratuities and medals shall have been periodically awarded, in order that he may sanction the investment of the amount of the gratuity in the regimental savings' banks; and the Secretary of State, upon receiving a notification that the individuals are about to be discharged with such gratuity and medal, will, so far as is practicable, notify to the parishes in which the men intend to reside, the honourable distinction which has been conferred upon them.

It is to be clearly understood that the two rewards, namely, the medal and gratuity for long service and good conduct, or for distinguished service, and the medal with annuity for distinguished or meritorious conduct, cannot be held by the same soldier at the same time, and that, consequently, the grant of the medal and annuity must be dependent upon the voluntary surrender of the medal and gratuity, if the same shall have been previously awarded; the only exception to this rule being that a good conduct or distinguished service medal may, if the distinctive inscription thereon differ from that on the annuity medal, be retained by a non-commissioned officer on his becoming an annuitant, although the gratuity must be relinquished.

The gratuity so relinquished will, however, be available for any other deserving soldier or soldiers of the corps, whether actually serving or not, provided they were serving in the year for which the medal and gratuity were originally awarded, and had fulfilled the required conditions, as to service and character, in that year.

The accumulated interest on the gratuity, to the date preceding that from which the annuity commences, shall be paid to the non-commissioned officer who relinquishes the gratuity.

21. The medal for long service and good conduct without gratuity may be awarded in the following proportions to non-commissioned officers and privates of the regular Army, and to non-commissioned officers and drummers on the permanent staff of the Militia who have fulfilled the before-mentioned conditions, but who are precluded from becoming recipients of the medal with a gratuity, in consequence of the aggregate amount to be annually awarded being already appropriated:—

To each Cavalry regiment and battalion of the Military Train	-	2
To each brigade of Royal Artillery	- - - - -	3
To every 900 men of the Royal Engineers	- - - - -	3
To each Infantry regiment or battalion	- - - - -	3

Medal without gratuity.

The soldiers to whom the above proportion of non-gratuity medals are to be awarded, may include discharged non-commissioned officers and privates, if recommended by the commanding officers of their former corps within three years after their discharge, provided they were qualified at the time of their discharge to receive such medals.

Non-commissioned officers and drummers on the permanent staff of the Militia who were eligible previously to their discharge from the Army for the medal with gratuity shall be eligible to receive medals without gratuities, in the proportion for each year of three for a regiment of 750 non-commissioned officers and men, and two for a regiment under that number, and no limit shall be placed on the grant as regards the date of discharge from the Army in the case of men so serving. Their names are to be submitted to the Commander-in-Chief by the officer commanding the Militia regiment to which they may belong, who will prove their qualification by transmitting, with the recommendation, a statement of their Army services, exemption from trial by court-martial, &c., according to the prescribed form, and certified by the commanding officers of their former corps. Staff-serjeants and quarter-master-serjeants of pension districts, barrack serjeants, recruiting district staff serjeants, staff clerks, and other pensioners employed under military control, in equally responsible appointments, shall also be eligible to receive medals without gratuities on the same conditions as before mentioned. Their names are to be submitted to the Commander-in-Chief by the staff officer of pensioners, if employed under him, or by their immediate military superior, as the case may be. But no person, whether employed on the permanent staff of the Militia, or in any of the capacities above indicated, shall be eligible to receive a medal without gratuity until after the completion of not less than 12 months' service in any of these capacities.

The Commander-in-Chief will notify from time to time to the Secretary of State for War the names of all those persons, including non-commissioned officers and drummers on the

permanent staff of the Militia, and pensioners employed in any of the capacities above indicated, to whom medals without gratuities shall be awarded, in order that a record of the same may be preserved in the War Office.

A "distinguished conduct" medal may also be granted, without gratuity, to serjeants, corporals, and privates, when specially recommended by the Commander in Chief, and approved by the Secretary of State for War, for individual acts of "distinguished conduct in the field."

GOOD CONDUCT PAY WITH PENSION.

Soldiers not entitled to additional pay, and Black soldiers to have good conduct pay added to pension.

22. European soldiers, below the rank of serjeant, who, under the terms of their enlistment, are not entitled to additional pay for length of service, and Black soldiers, who by their good conduct shall have obtained one or more distinguishing marks, shall be entitled to have the full rate of good conduct pay of which they shall be in possession at the time of their discharge, added to the rate of pension, whether temporary, or conditional, or permanent, to which they may have a claim under the provisions of this warrant, except in cases of wounds received in action and blindness specially provided for by the 7th and 8th Articles.

Serjeants and other non-commissioned officers above the rank of corporal shall be entitled to have their service as serjeant reckoned as good conduct service to enable them to add to the rate of their good conduct pay, which, under the above provisions, they had acquired prior to promotion to serjeant, and to carry the whole to increase their pension, whether temporary, or conditional, or permanent.

Provided always that such pension, unless for wounds received in action, or in cases of total blindness, shall not exceed the maximum in Article 9, viz. :—

EUROPEAN :		s.	d.
For a private, sapper, gunner, or driver	- - - - -	1	3 a day
For a bombardier, corporal, or artificers ranking as such	- - - - -	1	6 "
For a serjeant, farrier-serjeant, or other artificer ranking as serjeant, colour-serjeant, battery quartermaster serjeant, or troop or battery serjeant-major	- - - - -	2	- "
For a quartermaster serjeant or farrier-major	- - - - -	2	3 "
For a serjeant-major	- - - - -	2	6 "
		Including increase for service as non-commissioned officer, as provided in Article 9.	
		1	6 "
		2	- "
		2	3 "
		2	6 "
BLACK :			
For a private or gunner	- - - - -	-	6 a day.
For a corporal or bombardier	- - - - -	1	- "
		Including increase for service as non-commissioned officer, as provided in Article 9	
		1	4 "
For a serjeant	- - - - -	1	4 "

Soldiers entitled to claim additional pay.

All soldiers who enlisted in the Cavalry or Infantry, before the 1st September 1836, and in the Artillery or Engineers before the 1st September 1836, by relinquishing their right to additional pay for length of service, become thereby entitled to claim all the advantages of good-conduct pay while serving; and all such soldiers, whether privates, sappers, gunners, drivers, bombardiers, corporals, serjeants, or other non-commissioned officers above the rank of corporal, who may be discharged, shall have the option of being pensioned for service alone, without any consideration for good-conduct pay, under the provisions of the warrants in force at the time of their enlistment, or of reckoning their good-conduct pay or good-conduct service in addition to such rates of pension, whether temporary, or conditional, or permanent, as men of similar length of service, enlisted in the Cavalry or Infantry on or after the 1st September 1836, and in the Artillery or Engineers on and after the 1st November 1836, would be entitled to under the provisions of this warrant; provided, however, that the pension, except for wounds received in action, or for total blindness, shall in no case exceed, for a private, sapper, gunner, or driver, 1 s. 3 d.; for a bombardier or corporal, 1 s. 6 d.; for a serjeant, colour-serjeant, battery quartermaster serjeant, or troop or battery serjeant-major, 2 s.; for a quartermaster serjeant, 2 s. 3 d.; and for a serjeant-major, 2 s. 6 d. a day.

Soldiers enlisted in the Cavalry or Infantry before the 1st September 1836, and in the Artillery or Engineers before the 1st November 1836, who have obtained distinguishing marks, without relinquishing additional pay for good-conduct pay, may have the same addition to their pensions for the number of distinguishing marks they may severally possess at the period of their discharge, as is allowed to men who have relinquished additional pay, and are in receipt of good-conduct pay.

MEDICAL EXAMINATION OF SOLDIERS CLAIMING PENSIONS FOR DISABILITY, &c.

Other report than that of medical officers of his regiment.

23. In no case shall a soldier be pensioned for disability until his case shall have been reported upon by some other medical authority than the medical officers of the regiment, battalion, or corps to which he belongs; and the principal medical officer or staff surgeon, who has had it under treatment at the general hospital, and by whom the soldier is to be personally examined, will state his professional opinion of his case for the guidance of the Commissioners of Chelsea Hospital, who will then decide upon the claim to pension.

In.

In the case of Blacks, the soldier will appear before the Board of officers assembled for the purpose of inquiring into the case; and the principal medical officer, or staff surgeon, who has had the man under treatment will attend the Board on the day appointed by the proper authority in the Colony, with an abstract of his professional observations on the case; when the Board will report upon the soldier's claim to pension, for the consideration of the Commissioners of Chelsea Hospital.

Black soldiers.

24. Soldiers who obtain permission to be discharged with pension at their own request for length of service and good conduct will be pensioned accordingly; provided the reports of the regimental Boards be transmitted through the Commander in Chief to the Commissioners of Chelsea Hospital.

Cases of length of service.

25. Immediately after each Board, a return shall be forwarded by the Commissioners of Chelsea Hospital to the Secretary of State for War, showing in detail the pensions which have been granted, and the claims which have been refused at the Board. The Commissioners shall also make such communications on the subject to the general officers of districts, or to the commanding officers of regiments from which the men shall have been discharged, as may be required.

Proceedings of Commissioners to be reported to the Secretary of State for War, and to general or other officers.

RULES FOR RECKONING SERVICE TOWARDS PENSION.

26. The date of attestation shall be the commencement of a soldier's service; which service, including first and subsequent continuous periods (according to the provisions of the Limited Enlistment Act) shall reckon towards pension from the age of 18 years, but the former service of a discharged soldier re-engaging or re-enlisting, when allowed to reckon, is not to count towards the completion of any period of limited service for which he may have re-engaged, but only towards the completion of qualification for good-conduct pay and pension.

Date of attestation, and age of soldier.

Three years' service actually performed by European soldiers on the West Coast of Africa shall count as five years towards claim to pension on discharge.

The age specified in the attestation shall be taken to be the real age; and the soldier shall in no case benefit by the subsequent discovery of any misrepresentation.

A soldier exchanging from Cavalry to Infantry, or from one regular service to another, or a soldier transferred from the late East India Company's Service to the regular army, shall reckon his service for pension according to the periods and regulations applicable to the corps in which he may be serving when discharged.

But he shall not reckon as military service any previous service in Her Majesty's Navy, nor any period during which he shall not be entitled to pay, according to the provisions of the Mutiny Act.

Service in the corps of Royal Marines shall be allowed to reckon as military service.

Service in the Irish Constabulary shall be allowed to count towards good-conduct pay and pension on discharge, but not towards completion of the period for which the soldier shall have enlisted.

27. No non-commissioned officer shall, on his discharge, have any claim to the allowance or pension awarded to a bombardier, corporal, or serjeant, except for continuous service immediately preceding his discharge, in the rank he held when discharged; but if a serjeant shall be discharged without having served continuously as serjeant the full period prescribed by this Warrant to entitle him to the pension of that rank, he may be allowed to reckon as bombardier or corporal's service the whole of his continuous service as a non-commissioned officer, to entitle him to the rate of pension allowed to the rank of bombardier or corporal; and antecedent service as a non-commissioned officer in a rank from which he may have been reduced, may be specially admitted to reckon as part of his continuous service, provided it be established to the satisfaction of the Secretary of State for War that such reduction in rank was on account of the public service, and did not result from any irregularity or misconduct on the part of the soldier himself.

Continuous service of non-commissioned officers.

DISCHARGED MEN RE-ENGAGING OR RE-ENLISTING.

28. A soldier of good character, discharged after the completion of the first term of limited service, will be permitted to re-engage or re-enlist within 12 months from the date of his discharge, for any corps of the same arm of the service as that from which he was discharged, provided he is not above 34 years of age. A man so re-engaging or re-enlisting will be allowed to count the full period of his former service towards claim to pension; provided, that at the time of his re-engagement or re-enlistment he shall declare the period of his former service, and the cause of his discharge from his last corps.

Free discharge, or discharge by purchase, &c.

A soldier of good character discharged on reduction, or on account of disability, with or without pension, by purchase, or otherwise, during the first term of limited service, who shall re-enlist within 12 months from the date of his discharge, and is not above 34 years of age, will be allowed the benefit of the preceding provision for reckoning former service.

Discharged soldiers of the late East India Company's Service, except those who claimed their discharge under the Act 21 & 22 Vict. c. 106, on being called upon to transfer their service to the regular army, will on re-enlisting be allowed to reckon former service under this Warrant.

A soldier re-enlisting, who, on discharge, received a gratuity as a settler, must, to entitle him to reckon former service, refund such gratuity.

A portion of the money which shall have been paid for the discharge of a soldier who re-enlists within six months may, at the discretion of the Secretary of State for War, be returned to the party who paid the money, but it cannot be claimed as a right.

Soldier misrepresenting the cause of discharge.

A soldier discharged from the army for disability, or for any other cause, who shall, on re-engaging or re-enlisting, conceal the fact or misrepresent the cause of his former discharge, shall not be allowed to reckon his past service, or to receive any pension if again discharged for disability.

Service in a veteran battalion, &c.

A pensioner who shall, under a Proclamation of Her Majesty, or other lawful authority, be called upon to serve in a veteran battalion or company, or to be attached to a regiment of the line, within the United Kingdom, or who shall volunteer for such service, shall, on his discharge, reckon such service towards increase of pension, provided the period be not less than one year; and provided also, he shall not be in receipt of the maximum pension of his rank; and the like advantage may be allowed to a black pensioner serving in a veteran battalion or company in the Colonies.

Increase of pension in certain cases.

A pensioner (European) who shall be appointed a district, barrack, or garrison serjeant, or a military clerk, or staff or quartermaster serjeant in a pension district, or who shall be employed in any other military capacity, may reckon such service towards increase of pension; but the rates allowed by Article 9 of this Warrant are not to be exceeded.

Service of master gunners.

The service of a master gunner permitted to retire on a pension shall be calculated on the scale applicable to a serjeant, and pension will be awarded accordingly, in addition to any other pension he was entitled to for former service in the Artillery or other corps, but such pension shall not in any case exceed the pay of a master gunner.

Service of military store clerks.

A military store clerk on retiring from the military store service will be allowed an addition of one halfpenny a day to his pension for each year of service in the military store department.

SCHOOL OF MUSKETRY.

29. Non-commissioned officers and privates after completing 21 years' service in the army shall be entitled to pensions according to the following scales:—

Privates, 8 *d.* to 1 *s.* 3 *d.* a day; the increase from the minimum shall be one halfpenny a day for every year of actual service completed beyond 21 years, and 1 *d.* a day for each good-conduct badge in possession when discharged. The serjeants, clerks, and corporals shall have their pension computed at the same rate as privates, with the following addition for every year of service as a non-commissioned officer and clerk:—

	<i>d.</i>	<i>s.</i> <i>d.</i>
Serjeant major and First Class Clerk - - -	2½	2 6
Quartermaster serjeant, First Class Serjeant		
Instructor, and Paymaster's Clerk - - -	2	2 3
Second Class Serjeant Instructor, Second Class Clerk, Orderly-room Clerk, and Hospital		
Serjeant - - - - -	1½	2 3
Third Class Serjeant Instructor - - -	1	2 -
Corporals - - - - -	½	1 6
Total pension not to exceed - - -		

And for every year of actual service beyond 21 years a serjeant or clerk of any of the above grades shall be entitled to receive 1 *d.* a day, and the corporal one halfpenny a day, but in no case is the aggregate amount of pension to exceed the maximum sum specified above.

In the event of a non-commissioned officer, clerk, or private becoming disabled by disease or injury contracted in and by the service before he has completed 21 years, his case shall be specially considered with a view to a pension being awarded to him proportionate to his disability, as affecting his means of earning a livelihood, and the time he may have served.

ARMY HOSPITAL CORPS.

30. All non-commissioned officers and privates of this corps shall be liable to be discharged from the service at any time that the Commander in Chief shall think fit, without any claim to compensation beyond the scale of pensions hereinafter laid down, and they may be re-transferred by order of the Commander in Chief, for misconduct, unfitness, or any other cause which the Commander in Chief may deem sufficient, to the regiment or corps of the army from which they may have been transferred to this corps.

When their services shall be dispensed with they shall be entitled to pensions on the following scale, after a total service in this corps, or in the line, exceeding 21 years:—

Serjeant majors.—After 21 years' service, of which at least five in that rank, a permanent pension of 2 *s.* a day, increasing to a maximum of 3 *s.* a day, at the rate of 2 *d.* for each additional year's service, with the further additions of good-conduct pay of which they may be in possession at the time of their discharge, and of 1 *d.* a day for every five years' service as non-commissioned officer, but the maximum with such additions not to exceed 3 *s.* a day.

1st Class Serjeants.—After 21 years' total service, of which at least five in that rank, a permanent pension of 1 *s.* 6 *d.* a day, increasing to a maximum of 2 *s.* 6 *d.* a day, at the rate of 1½ *d.* for each additional year's service, with the further addition of good-conduct pay of which

which they may be in possession at the time of their discharge, and of 1 *d.* a day for every five years' service as non-commissioned officer, but the maximum with such additions not to exceed 2 *s.* 6 *d.* a day.

2d Class Serjeants.—After 21 years' total service, of which at least five in that rank, a permanent pension of 1 *s.* 3 *d.* a day, increasing to a maximum of 2 *s.*, at the rate of 1 *d.* a day for each additional year's service, with the further additions of the good-conduct pay of which they may be in possession at the time of their discharge, and of 1 *d.* a day for every five years' service as non-commissioned officer, but the maximum with such additions not to exceed 2 *s.* a day.

Privates.—After 21 years' service, of which 16 years at least shall have been in this corps, a permanent pension of 10 *d.* a day, increasing to a maximum of 1 *s.* 4 *d.*, at the rate of three farthings a day for each additional year's service, with the further addition of the good-conduct pay of which they shall have been in uninterrupted possession for six months immediately preceding their discharge, but the maximum with such additions not to exceed 1 *s.* 7 *d.* a day.

In case a non-commissioned officer or private of this corps shall become disabled by disease or injury, contracted on duty in the service, his case shall be specially considered, with a view to a pension being awarded to him, proportionate to his disability, without reference to length of service.

TRAINED SCHOOLMASTERS.

31. Schoolmasters, when placed on the Pension List, will be entitled to pensions according to the following scale:—

After 21 years' service, during the last three years of which they	<i>s.</i>	<i>d.</i>
shall have been in the receipt of the highest rate of pay	3	— per diem.
After 21 years' service, and should they not have been uninterruptedly in the receipt of the highest rate of pay during the last three years	2	6 „

The cases of schoolmasters invalidated before the completion of 21 years' service will be specially considered by the Commissioners of Chelsea Hospital.

In calculating the time of service of a schoolmaster for pension the whole of the period passed in the training schools of the Royal Military Asylum, as well as half of any former service in the army, prior to his admission thereto, are to be deducted.

CORPS OF ARMOURER SERJEANTS.

32. The service of an armourer serjeant, whether with a regiment, battalion, or corps of the regular army, or regiment of embodied Militia, or in the corps of armourer serjeants, at Millbank, or elsewhere, shall be allowed to reckon as serjeant's service towards claim to pension on discharge; and the service of the staff serjeant of armourers shall be allowed to reckon as that of serjeant major.

COMMISSARIAT STAFF CORPS.

33. The periods of service and rules for reckoning such service, and the rates of pension of non-commissioned officers and privates of this corps, will be the same as those for non-commissioned officers and privates of Infantry.

34. Although the grant of pensions to non-commissioned officers and men of the School of Musketry, the Army Hospital Corps, trained schoolmasters, and armourer serjeants, is regulated by the above special provisions, the rules for reckoning service, as in Clauses 26 and 27, are to be observed, so far as such rules are applicable to those branches of the service.

FORFEITURE OF SERVICE AND PENSION.

Soldiers.

35. A soldier found guilty by court-martial of either of the following offences forfeits all claim to reckon his service anterior to such conviction for pension on discharge:—

1. Of desertion. Desertion.
2. Of wilfully maiming or injuring himself or any other soldier, whether at the instance of such other soldier or not, or of causing himself to be maimed or injured by any other person, with intent to render himself or such other soldier unfit for service. Maiming himself, &c.
3. Of tampering with his eyes, with intent thereby to render himself unfit for service.

A soldier may be further sentenced for these and other offences (particularised in the Mutiny Act and Articles of War) to forfeiture of all claim to pension on discharge, whether such claim may have accrued from past service or might accrue from future service.

A soldier who has been sentenced to penal servitude, or who has been discharged with ignominy, or who has been convicted by a civil tribunal of felony, forfeits all claim to reckon service anterior to such conviction. Felony, &c.

Restoration of pension.

If in either of the above cases the soldier shall, subsequently to such conviction, have performed good, faithful, or gallant service, he may, on the same being duly certified by the Commander in Chief, be restored to the benefit of the whole or any part of his service, upon Her Majesty's pleasure to that effect being signified by the Secretary of State for War.

Record of forfeiture.

Non-commissioned officers and soldiers who have forfeited their claims to pension in consequence of misconduct shall have their names, and the circumstances under which their pensions were forfeited, published in the Orderly Book of the regiment to which they belong.

Pensioners.

Causes of forfeiture of pension, &c.

A pensioner shall be subject to forfeiture of pension under the following circumstances:—

1. For wilfully obtaining credit for more than his actual service, by means of false entries, alterations, or erasure in regimental books or documents, or by any misrepresentation of his real claims.
2. For the commission of any felonious act, or gross fraud, proved to the satisfaction of the Commissioners of Chelsea Hospital.
3. For not appearing, when called upon, according to the regulations and conditions the service, by the Commissioners of Chelsea Hospital, or other lawful authority, to serve in a veteran or garrison battalion or company, or in a regiment of the line, within the limits of the United Kingdom, or when called upon by the governor of the Colony in which the pensioner resides, or for refusing so to serve when required. Men enlisted in the Cavalry or Infantry before the 2d March 1833, and in the Artillery or Engineers before the 16th April 1833, and discharged after having actually served 24 years in the Cavalry, or 21 years in the Artillery, Engineers, or Infantry, are not liable to be called upon for further service.
4. For neglecting to obey the call of the magistrates or other sufficient authority to assist in preserving the public peace.
5. For gross violence or outrage towards any person paying the pensioners.
6. For assuming a false name when committed or imprisoned by the magistrates on any charge of vagrancy, or of any misdemeanour or crime.
7. Upon conviction by a civil tribunal for felony, or for any vicious or disgraceful conduct.

But the Commissioners of Chelsea Hospital, with the consent of the Secretary of State for War, may, in certain cases appearing to them to admit of such an act of grace, restore the whole or a portion of the original rate of pension.

Any pensioner who neglects to draw his pension for four successive quarters shall be struck off the pension list, and shall not be replaced unless he shall satisfactorily account for such omission; and the Secretary of State for War shall, at his discretion, grant or withhold the arrears, or any portion thereof.

If a pensioner shall apply to any parish for relief for himself or family, or shall suffer his family to become chargeable to the parish, his pension will become payable to the parish officers, according to the provisions of the law.

A pensioner, on his admission to Chelsea or Kilmainham Hospital as an in-pensioner, forfeits all claim to the out-pension; but the Commissioners of Chelsea Hospital or Governors of Kilmainham Hospital may, upon reasonable cause assigned to them, permit any in-pensioner to retire from the said hospital, and may also dismiss an in-pensioner who has been guilty of misconduct; reserving to themselves the power of restoring or of reducing the amount of the pension to which such pensioner was entitled on his admission.

36. Should a pensioner lose his instructions, and make an application for a fresh copy, he may be supplied therewith on making an affidavit of the circumstances under which the original was lost; and provided it shall be shown that the same had not been pledged or improperly disposed of: but if the pensioner be proved to have taken a false oath, he shall be struck off the pension list. When new instructions are given he shall be liable to pay for them a sum not exceeding 2s. 6d. nor less than 1s.

No fees to persons paying pensioners.

No person employed to pay the pensioners shall take from them any fee or reward, without subjecting himself to the penalty of forfeiting his office, together with the sum of 100*l*.

ARMY SCHOOLMISTRESSES.

37. Trained schoolmistresses may be granted, under certain circumstances of long service, retiring pensions under the following conditions:—

After 12 years' service, from 9*d*. to 1*s*. a day, according to the responsibility and extent of their duty, with an increase of 1*d*. for every additional year of service up to 24 years, whereby a maximum of 2*s*. may be attained.

It is to be understood, however, that no schoolmistress shall have an unqualified claim to a pension until she has actually served for a period of 21 years; and although intermediate rates are laid down for shorter periods, they will only be granted where failing health disqualifies the schoolmistress for further service; this must be satisfactorily established by a medical board, with a view to the application being specially considered by the Commander in Chief and Secretary of State for War.

Intermediate periods of non-employment will not be allowed to count.

GUN LASCARS FOR SERVICE IN CHINA.

38. Men enlisted for short terms of service, who are willing to re-engage from period to period, until after the expiration of 21 years' service, will be allowed the same pension on discharge as those who may originally enlist for the long period, according to the following scale :—

	Havildar Major and Havildars.	Naigues.	Privates and Buglers.
	Per Month.	Per Month.	Per Month.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Pension after 21 Years' Service - - - -	4 14 8	4 3 4	3 8 -
Men Wounded will be entitled to Pension as under :—			
Wound Pension.—Losing two limbs or both eyes from wounds, or being so severely wounded as to be totally incapable of earning a livelihood, and to require the assistance and care of some other persons - - - -	7 - -	5 8 -	4 - -
If rendered incapable of earning a livelihood, but not requiring the care of another person - -	5 4 -	4 2 -	3 - -
If able to contribute in a small degree towards a livelihood - - - -	3 15 -	3 1 6	2 4 -
If able to contribute materially towards a livelihood, although unfit for the ordinary duties of the service - - - -	2 15 3	2 5 1½	1 11 -

In the event of any man dying while on foreign service, or on board ship, from sickness or wounds, his heir will be entitled to pension, as under :—

	Havildar Major and Havildars.	Naigues.	Privates and Buglers.
	Per Month.	Per Month.	Per Month.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
Pensions to Heirs.—To the nearest or nominated heir who may come under the General Order of the Madras Government, dated 31st December 1833 -	3 12 -	2 12 -	2 6 -

No heir is admissible to a pension who shall not have stood towards the deceased in one of the degrees of relationship specified in the following line of succession, viz. :—

- | | |
|---------------|--------------|
| 1st. Son. | 4th. Father. |
| 2d. Widow. | 5th. Mother. |
| 3d. Daughter. | |

Every soldier whose heir may be entitled to a pension under these regulations is permitted to select and name his heir from the foregoing line of succession.

The name of the heir is to be entered in the books of the company.

Should no such nomination have been made, or should any just doubt exist as to its having been made, then the order adopted in the foregoing line of succession is to be the guide in the grant of pension.

The pension is to be granted for the following periods :—

To males under 6 years of age until they attain the age of 18 years.

To males above the age of six years, and under the age of 50 years, for 12 years.

To males above the age of 50 years, and to females of whatever age, for life.

The pension to lapse on the demise of the heir to whom it may have been granted, and no transfer of pension from one heir to another can ever be permitted, unless to correct some obvious error in the first grant.

No pension is claimable by any heir in the receipt of pay or pension from the State equal to the authorised pay of the deceased at the time of his death; and when the heir may be in the receipt of pay inferior in amount to the pension authorised in these regulations, then the half only of such pension shall be granted to the heir in addition to his pay; but should an heir thus circumstanced be subsequently discharged from the service, in consequence of ill-health or other unfitness not affecting his character, then he will be entitled to the full pension upon the same terms as other heirs not in the service of the State; and when the heir may be in the receipt of a pension inferior to the pension claimable under these regulations, he or she must relinquish the inferior pension, no heir being permitted to receive two pensions from the State.

RESERVE FORCE.

39. On the termination of the period of service for which men have engaged in the Reserve Force, and on the fulfilment of the other conditions in the Warrant of 9th December 1859, they shall reckon two years' service in the Reserve Force as one towards the attainment of the several periods of service, provided they shall have been enrolled within five years after discharge from the army, and they shall be entitled to the same rates of pension as they would have obtained by the Warrants under which they originally enlisted, had they continued to serve in the corps from which they were discharged till they completed the period of 21 and 24 years respectively, and they shall be permitted to add to such pension an amount equal to the good-conduct pay of which they had been in continuous receipt for two years immediately preceding the date of their discharge. Such pension, however, shall in no case exceed 10*d.* a day for a private, 1*s.* for a corporal, or 1*s.* 3*d.* for a serjeant or other superior non-commissioned officer; but except by special authority no service shall be reckoned for any year in which the person enrolled has not resided at his registered place of abode, or has unlawfully absented himself during any portion of the exercise for which he shall have been called out in terms of the Act before referred to.

All persons enrolled in the Reserve Force who may be wounded or disabled in the execution of their duty shall be entitled to the same pension as, under similar circumstances and for the like service, would have been granted in the regular forces of Her Majesty; and when called out on permanent or continuous duty for any period exceeding three months, the whole of such period shall be reckoned according to the usual regulations of the service, and not at the rate of two years for one.

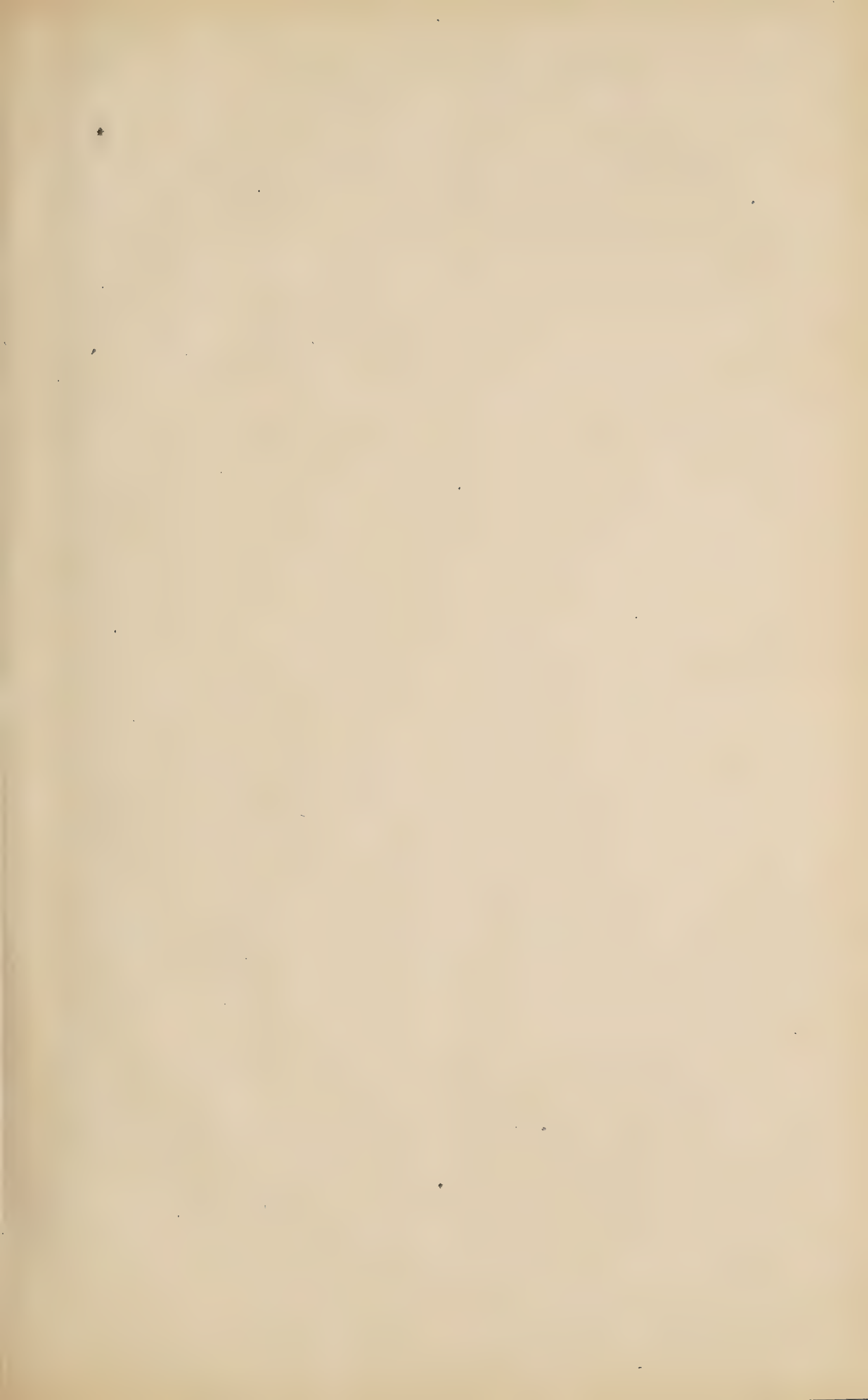
The staff officer of the pension district in which persons have been enrolled for this Reserve Force, or such other officers as may be appointed for that purpose, shall keep a record of the number of days' service performed by each person in the course of the year, as ascertained either from that officer's own knowledge, or the report of the commanding officer of the regiment or dépôt with which such person may have been trained, and also of the extent of his service prior to leaving his regiment, so that he may be enabled to report to the Commissioners of Chelsea Hospital when the right to pension has been attained in each case; and the officer or officers by whom such person has been trained shall also note on a certificate to be given to him whether the extent of service which he was bound to perform up to the 31st of March in each year has been regularly completed.

No person enrolled in the Reserve Force shall be compelled to serve in a grade lower than that which he last held in his corps, but any interval which may take place in his service while awaiting a vacancy shall not be allowed to reckon towards pension. In the event, however, of such persons agreeing to serve in a lower grade till vacancies offer, they shall be entitled to reckon such service towards the pension of the higher grade after it has been attained.

Given at Our Court at Saint James's this 28d day of July 1864, in the Twenty-eighth year of Our Reign.

By Her Majesty's Command.

(signed) *De Grey and Ripon.*



ARMY PENSIONS.

COPY of the WARRANT for the Constitution of the STAFF of CHELSEA HOSPITAL, and for laying down the Terms on which PENSIONS are granted to SOLDIERS of the BRITISH FORCES on Discharge.

(Colonel North.)

*Ordered, by the House of Commons, to be Printed,
14 March 1865.*

ARMY PRIZE MONEY.

THE ACCOUNT of UNCLAIMED ARMY PRIZE MONEY, from 18th January 1809 to 31st December 1864; directed to be Annually laid before the Houses of Parliament by the Act 2 Will. 4, c. 53.

Dr.

	£.	s.	d.	£.	s.	d.
To 5 per Cent. deducted from Prize Money, pursuant to the Act 2 Will. 4, c. 53, for necessary expenses, &c., as per last Return -	1,278	8	2			
From the Kertch Grant - - - - -	1,946	18	9			
				2,325	6	11
To Cash arising from Forfeited and Unclaimed Shares of Prize Money, Grants, &c. - - - - -				1,327,777	6	5
To Cash arising from the Dividends or Interest of Monies invested in the Public Funds or other Government Securities -				255,744	18	6
Balance (<i>vide</i> Memorandum below) - - - - -				27,046	9	8
	£.			1,612,894	1	6

Cr.

	£.	s.	d.
By Cash refunded to Claimants - - - - -	874,506	12	9
By Expenses in executing Acts from 18 January 1809 to 31 December 1864 - - - - -	60,864	8	6
By Sums paid to the Royal Hospital to 1 March 1842, in diminution of the Annual Votes for In and Out Pension - - -	556,752	6	6
By Sums paid to the Royal Hospital since 1 March 1842 - - - - -	39,626	13	1
By Sums since the above date transferred to the Exchequer by Paymaster General, in conformity with the Treasury Minutes -	41,144	-	8
	637,523	-	3
By Paid to the Commissioners for Works and Buildings, by virtue of the Acts 11 & 12 Vict. c. 103, and 17 & 18 Vict. c. 61, for appropriation in purchasing the Site of the Royal Military Asylum, and improving such Asylum - - -	40,000	-	-
	£.		
	1,612,894	1	6

Memorandum.—Although the Balance of this Account appears to be as above, yet there is in the Three per Cent. Consols 50,000*l.* Stock invested on account of Army Prize Money, and in the Bank of England 17,335*l.* 9*s.* 5*d.* Cash. The existence of this amount of Stock and Cash, notwithstanding the Balance is on the Debit side, arises from the Investments in the Stock having been made when the Funds were very low, and from the sales thereof, as occasion required, having been from time to time effected when the prices were considerably higher.

Royal Hospital, Chelsea, }
14 February 1865. }

A. J. Moorhead,
Secretary to the Commissioners.

ARMY PRIZE MONEY.

ACCOUNT of UNCLAIMED ARMY PRIZE MONEY,
from 18 January 1809 to 31 December 1864 ;
directed to be Annually laid before the Houses
of Parliament by the Act 2 Will. 4, c. 53.

(Presented pursuant to Act of Parliament.)

*Ordered, by The House of Commons, to be Printed,
15 February 1865.*

REGIMENTAL QUARTERMASTERS.

RETURN to an Address of the Honourable The House of Commons,
dated 9 March 1865;—for,

“ COPY of the REPORT of the COMMITTEE on REGIMENTAL QUARTERMASTERS.”

War Office, }
10 March 1865. }

HARTINGTON.

REPORT of the COMMITTEE appointed to Inquire into the Condition as to
PROVISION, PAY, and ALLOWANCES of the REGIMENTAL QUARTER-
MASTERS of HER MAJESTY'S SERVICE ; together with the MINUTES of
EVIDENCE and APPENDIX.

R E P O R T.

To the Right Honourable the *Earl de Grey and Ripon*, Secretary of State for
War.

THE Committee appointed by your Lordship, with the concurrence of His
Royal Highness the Field Marshal Commanding in Chief, “ to inquire into
the condition as to Provision, Pay, and Allowances of the Regimental Quar-
termasters of Her Majesty's service,” having concluded that inquiry, have now
the honour to report :

1. That although the present position of the Quartermasters as to provision,
pay, and allowances which they receive from the State is better than it was
some years ago, their actual pecuniary emoluments are not now equal to what
they were under the old system of providing the military clothing through
the colonels of regiments, and their general duties have been increased since
that period.

2. The additional duties alluded to have arisen from various changes and
improvements in the condition of the soldier, one of the most important being
the new system of supplying clothing and necessaries to the army from the
public stores.

3. The result of this change is, that any allowances which the Quarter-
masters may have received under the former system from Colonels of regiments
have been entirely discontinued, and there is no doubt that the new arrange-
ments for the supply of necessaries affect them in the same manner ; for when
the soldiers' kits were supplied by regimental contracts the Quartermasters
were in the habit of receiving from the tradesmen a certain remuneration for
taking care of their property, and for issuing the articles as they were required;
in short, for looking after the tradesmen's interests. Although emoluments of
this kind were not openly recognised, the system was well known to exist, and
there is no doubt, if such extraneous assistance is taken into account, that
Quartermasters formerly were in a more advantageous position in a pecuniary
point of view than they are now.

4. Some Quartermasters complain of having a cash responsibility, and of being required to perform certain duties belonging to the Paymaster's department; others make no objection to these duties. The Committee have, however, received on this subject the opinions of many experienced commanding officers, and they find, with respect to the duties between the Paymasters' and Quartermasters' departments, that the system followed in some regiments and *dépôt* battalions is slightly different from that adopted in others. They recommend, therefore, that a uniform system of carrying on the duties of Paymaster and Quartermaster should be enforced by the Quartermaster being relieved from all cash transactions; and they further venture to suggest that the very numerous returns at present required from Quartermasters by the departments be reduced in number if possible.

5. As some kind of set-off to the remuneration from colonels of regiments which is now lost to the Quartermasters, and which was in a manner recognised by usage, and by the regulations of the time for the cavalry, also in consideration of their increased duties and their responsibilities in regard to Government clothing, necessaries, and other stores, the Committee suggest that an annual allowance of 30 *l.* should be granted to them.

6. In proposing this grant to Quartermasters without distinction, the Committee have not overlooked the fact that some Quartermasters have heavier daily duties to perform than others. Such is, no doubt, the case in the *dépôt* battalions, where the work is necessarily multiplied according to the number of *dépôts* representing separate corps. These Quartermasters, however, have an advantage in being stationary, instead of being liable to frequent moves.

Arguments more or less of the same character apply to Quartermasters of other branches of the service. The Committee, therefore, have not thought it desirable to recommend any difference being made between them; but they think that the allowance should be confined to Quartermasters doing *bond fide* regimental duty, and should not be extended to any who are now, or who may hereafter be, in receipt of extra pay for special duties.

7. Considering the peculiar circumstances under which the Quartermasters in general obtain their commissions; considering, also, that their responsibility regarding their stores, and everything else about the barracks, necessitates their residence within the walls of the barracks, however inadequate may be the accommodation for their families; bearing in mind, too, that very generally they have no office except their store, which is often a very inconvenient place for office duties, the Committee submit for consideration whether a special quarter, of two rooms and a kitchen, whenever possible, should not be provided in every barrack for the Quartermaster, such quarter being as close as may be practicable to the Quartermaster's store.

8. Still keeping in view the exceptional position of Quartermasters promoted to that rank from non-commissioned officer, the Committee suggest that they should be relieved from the heavy charge of 50 days' original contribution to the band and mess which they have to meet in the first year of their appointment, that being just the period during which they can least afford to meet the charge. The Committee recommend that this sum be paid for them by the Government, in addition to the allowance for an outfit.

9. It appears that by a rule at present in force Quartermasters are, on appointment, obliged to relinquish any pecuniary advantage to which they may have become entitled from their distinguished conduct as non-commissioned officers. The Committee submit whether it might not be desirable to let them retain such advantages.

10. They further propose that Quartermasters who may desire to continue in active regimental employment, and who may have served 30 years, including 10 as Quartermaster, and who may thereby become entitled to claim retirement on 10 *s.* a-day, shall be allowed, after two years' further service, an addition to their daily regimental full pay of 1 *s.* 6 *d.* on the special application of their commanding officers. This addition, however, is not intended to alter the existing rate of half-pay. While this arrangement will benefit efficient Quartermasters, it will at the same time be a saving to the public.

11. The

11. The Quartermasters, having laid much stress upon the difference of their emoluments, as compared with those of the Paymasters, the Committee are led to remark that they might equally make the same comparison between the Paymaster and all other regimental officers, and particularly the commanding officers, whose pay (including command money) is less than the pay of Paymasters of 20 years' commissioned service, while their duties are far heavier and the pecuniary demands upon them infinitely greater. Putting out of the question, therefore, the exceptional case of the Paymasters, the Committee feel that the arrangement they have proposed regarding the present Quartermasters, in consideration of their increased duties and responsibilities, will, if carried out, place them in a pecuniary position which may be considered rather advantageous than otherwise, as compared with other regimental officers of corresponding rank.

12. The subject of relative rank, and of Quartermasters being commissioned as combatant officers, having been raised during this inquiry, the Committee are induced to bring it under the notice of the Field Marshal Commanding-in-Chief and the Secretary of State for War, to whom it may possibly appear to be a question for consideration whether, in filling up future vacancies, the appointment of Quartermaster might not with advantage be held by a subaltern (supernumerary) in the line of promotion, and on a footing similar to that of adjutant, provided this could be done without narrowing the field of promotion from the ranks. It would extend a knowledge of these important duties throughout the combatant grades of the army, for the Committee believe that regimental officers would be found who would gladly undertake duties which would enlarge their professional experience and usefulness, and add beneficially to their income.

With these views the Committee suggest whether openings might not be found in the store branches of the following departments of the Army, viz:—

Commissariat,
Military Store,
Barrack,
Purveyors',

for a class of non-commissioned officers whose practical knowledge, active habits, and known good character would appear to fit them specially for first appointments as officers in these departments, where their position as married men with families would be much more comfortable than it would be if they were moving about with regiments.

Such a step would also alter the exceptional character of the appointment of Quartermaster and simplify the regimental organization, getting rid of many difficult questions regarding pay, allowances, quarters, &c., in which it is very difficult to reconcile the interests of the service and the necessities of a meritorious class of officers.

The arrangement proposed for the appointment of combatant officers as Quartermasters would not be applicable to depôt battalions.

13. In the Appendix will be found the evidence taken by the Committee, and the opinions they have received from a number of experienced commanding officers.

(signed) *Henry Eyre*, Major-General.
Douglas Galton.
T. Troubridge, Colonel.
William Munro, Colonel.
W. T. Power, C. G.
W. Marvin.

War Office, 28 December 1864.

MINUTES of EVIDENCE taken before the COMMITTEE appointed to inquire into the Condition as to PROVISION, PAY, and ALLOWANCES of the REGIMENTAL QUARTERMASTERS of HER MAJESTY'S SERVICE.

Tuesday, 29 November 1864.

PRESENT:

Major General H. Eyre, President.
Captain D. Galton.
Colonel Sir Thomas Troubridge, C.B.
Colonel W. Munro, C.B., 39th Regiment.

Commissary General in Chief W. J. T. Power,
C.B.
Major W. Marvin.

General Sir JOHN MARK FREDERIC SMITH, M.P., K.H., Examined.

General
Sir J. M. F.
Smith,
M.P., K.H.
—
29 Nov.
1864.

1. *President.*] THE Committee are ready to hear any remarks that you have to offer to them? —My employment for many years as regimental adjutant and quartermaster, as brigade major, and in the quartermaster general's department, and subsequently for eight or nine years as commanding officer of a corps, having afforded me full opportunity of judging of the nature and value of the services of regimental quartermasters, and being of opinion that they were very inadequately remunerated, I felt it my duty, knowing that other attempts had failed to obtain for them some amelioration of their position, to bring their case before Parliament,—that was in 1863; and I obtained on that occasion the favourable opinion of the House of Commons, but nothing then was promised in the way of an investigation of their case. However, in the last session of Parliament the merits of the case were fully gone into, and to a certain degree admitted by the Government, so as to lead to the appointment of the present Committee. I will not take up the time of the Committee by entering into details which will be much more ably given to you by the quartermasters themselves; but there are a few points upon which I should like to observe, and the first remark that I would make is, that after the parliamentary session of 1863 I caused a communication to be made to 126 quartermasters who were then within reach, with the view of obtaining from them a statement of their respective services and of their condition as to pay, and also as to their families. This led to the preparation of the analysis, marked Appendix A, which, I believe, is in the hands of the Committee, and which was printed in 1864. I gave them a form upon which to draw up their case, and I am able to say that it is to the best of my belief a perfectly truthful one. I have had an opportunity of verifying it, and it furnishes a great deal of information as to the services of those officers, and as to what position they have been promoted from; whether from that of sergeant major, or quartermaster sergeant, or from what rank they have risen. It will be observed that a large proportion of the quartermasters are serving for 6s. 6d. a day—in fact there are 51 out of 126 who are serving upon that pay and that only—and that upon the average those officers have each of them four children. I would therefore ask any married officer in the service how an officer is to keep up the respectability of

his position, to feed and clothe himself and his wife, and feed, educate, and clothe his children upon 6s. 6d. a day. Such an amount as that is only equal to the rate of wages received by a common mechanic in the city of London, for the Committee will find, if employing workmen, that they are now paying 6s. 6d. or nearly 6s. 6d. a day to carpenters, bricklayers, masons, and smiths, and that class of artisans. These men can save very little out of their earnings, but those are the wages which they receive. I will presently, with the permission of the Committee, endeavour to show that the quartermasters are in some positions not so well off as the quartermaster-sergeants in the colonies, and that such a state of things is not desirable. I have heard it urged, and I have heard it with some surprise, that the country has nothing to do with the wives and children of the quartermasters. But I ask this question, "Who selects the quartermasters?" They are selected from the non-commissioned officers, and here are no fewer than 51 out of the 126 who have four children each. I think I can further show that out of 126, one hundred of them were married before they were appointed. Then a selection is made of a man who, I say, cannot live upon his pay. Then why do you select these men? It is because they are considered by the commanding officers of the regiments in which they have served the most efficient non-commissioned officers they have, and therefore they are the most likely to have given to them the advantage of service as adjutants and quartermasters. Every staff-sergeant looks, from a feeling of ambition, and a very laudable ambition it is, to being eventually appointed to one of the staff offices—either that of adjutant or quartermaster; but look at the difference in the position of the two men; look at the difference in their pay. The pay of the quartermaster is 6s. 6d. a day on appointment, and the pay of an ensign, as adjutant, if he be appointed on the same day, is 8s. 9d. a day. A staff sergeant who is made quartermaster receives 6s. 6d. a day only, the difference being 2s. 3d. We know that they are taken from the same class, and that if a vacancy of quartermaster happens in a regiment, the post is most likely first offered to the sergeant major, who accepts it. Then the next vacancy which occurs will perhaps be that of adjutant, and it may be offered to the quartermaster sergeant. If you look at the services of these quartermasters, although they go into

into a non-combatant rank, you will find that they come from the combatant non-commissioned ranks with distinguished services, and therefore it is a matter of mere chance which gets the one prize, as I will call it; the other gets that which I will call an honour, but not a prize; it is a distinction, and a great distinction, I admit. Then the utmost that a quartermaster can ever receive is 10 s. a day. Now, compare the quartermaster with the paymaster. The paymaster enters the service, and he may come from the staff sergeant's rank, or he may come from civil life, and he receives on entering the service 12 s. 6 d. a day. At the end of five years he receives 2 s. 6 d. a day more, and so it goes on until at last he receives 1 l. 2 s. 6 d. a day, and, if in a recruiting district, 1 l. 5 s. a day. Now, it is for every one to draw his own conclusions. I think that a man of very ordinary ability, if he be a tolerably fair accountant, can perform the duties of paymaster, but it requires a man of very great energy, very great zeal, and very great knowledge of the service, to perform well the duties of quartermaster. I believe, as far as my observation has gone, and which has extended over a period of nearly 60 years, that the quartermaster is one of the most valuable officers in Her Majesty's service, and that his attention to his duties will go far towards making a regiment efficient and happy; whereas if he be neglectful of those duties, or if he be wanting in zeal—and God knows there is very little to make him zealous in his pay or situation—the regiment must suffer very much. I have already stated that no fewer than 106 of the 126 quartermasters were appointed after marriage, and after having had families. I should like to know by what process a man is to apply 6 s. 6 d. a day to the sustenance, clothing and education of six persons, that being the average of the number per family. How is it to be done? The fact is this, as I am informed, that the quartermaster's family rarely have meat—it is the exception and not the rule—in their culinary operations. We all know that in former days, when the quartermaster was the shopkeeper of the service, there were proceedings which I will not characterise. The colonel of a regiment, for instance, I believe gave to the quartermaster an annual gratuity for the trouble that he had in attending to the recruiting, and he thus received from 40 l. to 50 l. or 60 l. a year, which, to a small income, was a considerable increase. What does a quartermaster supply now by which he can get a profit? and it is notorious that a profit was formerly made upon the articles which the quartermasters used to supply: and the same thing prevailed in the navy; the purser bought in gross and sold in retail. He did not charge the sailor, nor did the quartermaster charge the soldier, more than the current price which he would have to pay in the market, but the quartermaster having bought in gross, sold in retail, and thereby made a profit. It was known, no man in the service could have been ignorant of it, and it was tolerated; but a healthier state of things now prevails in the army, and that being so, it has brought down the means of living of the quartermasters to such a degree, that it is to me quite astonishing how they can go on. At one time there was something at any rate that made this man well off, but now he is not well off, but badly off, and it is to me astonishing that quartermasters can be found, or that sergeant majors can be found to take the office. He has that sort of rise, and the man says, "Taking me out of the

grade to which I belong puts me in the position of an officer, and it will raise my children to the position of officers' children," and therefore they may in their turn get commissions for themselves, and they may take a higher flight, and that is very natural. A man would screw and pinch tremendously, if he were a good father, to do that; one can easily understand it. That a single man would accept the offer would be a matter of course. Then, in the first place, I have shown that an adjutant receives a much higher rate of pay; and even a musketry instructor—a sergeant who has been made musketry instructor—receives a higher rate of pay than a quartermaster. In some positions the armourer sergeant is better paid than a quartermaster; and then I will take the case of the adjutant again. The adjutant may rise in rank, and there have been many instances of adjutants becoming captains and field officers, but the quartermaster remains in the rank of lieutenant for the whole time he remains in the service. I should, however, be one of the last to say that I wished to see the quartermasters, being non-combatant, going on in rank with the other officers of the corps. I think that that would be putting him in a false position, but I think that after a certain length of service the quartermaster should have some of the advantages which relative rank would give, and which are given to other non-combatant officers. At present, he remains one of the last officers in the corps to be provided with any accommodation, he comes behind almost everybody else; he sees his brother staff sergeant, who perhaps is acknowledged in the corps to have been a less efficient staff sergeant, and he sees this sergeant major made an adjutant, and then perhaps goes on and gets all sorts of rank, and yet the quartermaster gets nothing; and I ask, is it good policy in the State to have any class of officers complaining of so serious a grievance? for, I think it is a grievance to promote a man to a position which really, looking at it as a family man and a man of the world, is to the quartermaster positively a disadvantage. I had, I think, one of the best non-commissioned officers in the service as my sergeant major. He went out of the service in order to go into the Turkish Contingent, and he was then put upon half pay; but he has often told me that he deeply regretted the day when he left the situation of staff sergeant. I beg now to call the attention of the Committee to the comparative statement, Appendix B, which I presume is now in their possession, showing the annual value of the free issues and allowances before and after being commissioned, calculating that there is a wife and four children in each family. This has reference to the infantry quartermasters, and was drawn out by my directions and upon my plan the day before the debate came on in the House of Commons, and that I think shows very strikingly the effect of this state of things.

2. Major *Marvin*.] Is that the paper to which you refer (*handing the same to the Witness*)?—Yes, and you will find, if you look to the last column, "in the colonies," and contrast the position of the sergeant major with that of the quartermaster, that the sergeant major has 77 l. 14 s. 2½ d., and the quartermaster, in the last column, has 83 l. 3 s. 4½ d., and he has to keep up the appearance of an officer, and his children have to keep the appearance of officers' children, and yet he has only 6 l. per annum more than the sergeant major, but he receives 5 l. less than the quartermaster sergeant,

General
Sir J. M. F.
Smith,
M.P., K.H.

29 Nov.
1864.

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to expend per annum, that is, in the colonies. I should be glad if the Committee, after looking into these papers, would examine the quartermasters upon the subject, because although it is a detail, with a great deal of which I am familiar, yet I cannot stake my credit upon its perfect accuracy, although I thoroughly believe it to be correct. It is very explanatory, and I think it will astonish those who read it with attention. The statement marked (D) shows the number of children in each family of the 126 quartermasters, with whom I could communicate. I sent out circulars to all the quartermasters who were not in any distant place, and whom I could get hold of. With those in India I did not attempt to correspond, because I thought their answers would not come home in time to enable me to avail myself of them. I have also shown in the table marked (G), with reference to this number of 126, the number of war medals which have been conferred upon them, and there have been 191 war medals received by those 126 men, which shows that they have distinguished themselves in the service. There are three to whom the Victoria Cross has been awarded, two wearing the decoration of the Legion of Honour, and 30 for long and valuable service. The total number of clasps is 202, and this, I think, shows that the service of these quartermasters has been very creditable to them. This table (F) shows their ages and the time at which they can retire. It was thought that something had been done for them in 1860, but what was it? It was to give them, on retiring from the service, a pension of 10 s. a day, with the honorary rank of captain. You give a man 10 s. a day, who may then exercise his faculties in order to increase his income, and you give him from 6 s. 6 d. to 8 s. 6 d. a day, only when you absorb his whole time. I do not mean to complain of giving them a pension of 10 s. a day, if they well deserve it, but I think they may complain that their services are not, according to my humble opinion, adequately remunerated; and I do not know that in the whole course of my military services I ever was more delighted than when I found the Government had acceded to my request to appoint this Honourable Committee. I think that in your hands, the cause of the quartermasters is safe. While, at the same time, you will not allow the finances of the country, upon your recommendation, to be badly employed. I am quite certain that men whose services are so valuable as those of the quartermasters, will not come before you without obtaining some amelioration of their unfortunate position. I will not take up the time of the Committee by saying anything as to their duties. I have paper upon paper which I have drawn up at one time or another upon this subject; my very long service, and especially my long staff service, have brought me very much in connection with the quartermasters, and that has induced me to feel a deep interest in them.

3. *President.*] You have now concluded your statement?—Yes. I do not know that I need trouble the Committee with anything more; they will hear enough upon the subject from the witnesses who will be examined.

4. Would you be in favour of the proposal that the quartermaster should have the relative rank of captain?—I am not in favour of any promotion to the rank of captain, but I would put them on the footing, after any length of service, with

regard to quarters, fuel, and things of that kind which might be given by what is called relative rank.

5-6. Major *Marvin.*] Not substantive rank?—No; and I hope that I have guarded myself distinctly upon that point.

7. *President.*] You do not agree with the quartermasters in desiring to secure a position amongst the combatant officers?—No.

8. Major *Marvin.*] In the case of riding-masters, they held a regimental commission, or a position raising them to the highest grades in the service, but it was found to be inconvenient, and it was discontinued, and they made the riding-master's appointment a substantive appointment, so as to place him in the same position as a quartermaster?—I am aware of that, and a very good arrangement it was.

9. Captain *Galton.*] Would it not be equally judicious in the case of the quartermasters?—Yes, I do not propose it to be otherwise.

10. You have alluded to the paymasters in the course of your statement; do you compare the duties of the quartermaster with those of the paymaster?—I think they are quite as responsible, and much more onerous.

11. What responsibility has the quartermaster?—There is a great difference of opinion upon that point, and I should therefore rather prefer that the quartermasters should speak for themselves upon that point; they will tell you, I believe, that they consider they are responsible. We know that primarily the commanding officer is responsible, but they will give you instances in which, when the Government has come down upon the commanding officer, the commanding officer has said to the quartermaster, the thing is in your custody, and you must be held responsible.

12. *President.*] Do you think that any of them can state that they have ever been called upon to pay a farthing?—That I cannot speak to; I think it depends very much upon the feeling of the individual. There are men in the service, as we know very well, who will say, "I cannot look after these things," and they will say to the quartermaster, "you are responsible." I would make the quartermaster give security.

13. Captain *Galton.*] At the present time the quartermaster gives no security?—No, but I think he ought to be required to give security.

14. *President.*] Then I am afraid that the effect would be to exclude a great many of those men who could find no security?—But you must look to this to protect the Government from loss. I contend that the quartermasters have a great number of valuable stores in their possession. I will take this case: suppose you have a dishonest quartermaster, I will not venture to speak of the number of articles which he is responsible for, but they are quite amazing; and suppose you have a dishonest quartermaster, who, by degrees, allows things to ooze out of his possession, and then he dies; upon whom then does the Government come to make good those deficiencies unless they come upon the commanding officer?

15. The quartermaster is the agent of the commanding officer?—But I say that it would be monstrously hard upon the commanding officer to come upon him.

16. In nine cases out of ten the quartermaster is selected by the commanding officer?—Yes; but we know nevertheless that a man who is honest to-day may become dishonest to-morrow.

17-18. Captain

17-18. Captain *Galton*.] If the position of quartermaster is such a very poor one as you have described it, how is it that so many men are willing to accept it?—Because they always hope that it is going to be better; and if you look at these men you will find that they are intelligent men. Let any of them be taken into private life, and they will be found to be fit for almost any employment that you can give them as storekeepers or as accountants; they are very able men.

19. *President*.] Have you any definite plan to propose to this Committee for the benefit of the quartermasters?—The only thing I have to propose is that the Committee should recommend that the quartermasters should receive, on first entering the service, a somewhat higher amount of pay. They get, at the end of seven years' service, I think, 8 s. 6 d. a day. I would begin with 8 s. 6 d. a day at least, and let that run over a longer period. I would not increase their pay immediately at the end of the seven years, but I would let them start with a pay with which they could live. Divide the 6 s. 6 d., how you please amongst six people, and I think it will be a marvel if you say that a quartermaster with a family can live upon it.

20. How then did they manage to live on 3 s. 6 d. a day before?—It was a very different thing then, and under very different circumstances.

21. Captain *Galton*.] Do they not receive 100 l. for an outfit?—Yes, they do.

22. *President*.] How can an ensign manage to live who is sometimes married?—An ensign coming into the Service from private life generally comes with some money; but in the other case, look at what the quartermaster-sergeant has to pay for the education of his children, and then consider what he must pay for the same thing when he ceases to be quartermaster-sergeant; look at the clothing of his children as a quartermaster-serjeant, and then look at the clothing of the children of an officer. Again, look at the position of the wife, who, as a quartermaster-sergeant's wife, may take in needlework, and does so, and her daughters also, but she cannot take in needlework as the quartermaster's wife, nor can her daughters be apprenticed as needlewomen.

23. You mean that in the position of quartermaster-sergeant, his family can assist themselves?

—Yes, and that in the other case they cannot. The daughters, no doubt, in the position of daughters of a quartermaster-sergeant, wash the clothes of the brothers, the father, and the mother; but they cannot do that as the daughters of the quartermaster. I could account for how the quartermasters used to live on 3 s. 6 d. a-day.

24. As I understand you, your proposal is that there should be an increase of pay at starting?—Yes. It would be for others to decide how long that first rate of pay should go on. I want to accomplish this, that when a man takes to the higher class of life he shall not be pinched the moment he takes to it, and not be obliged to ask, "How can I live in the position in which I am placed?"

25. Is there anything else that you have to suggest to the Committee?—Nothing else. As to increase of rank, I do not propose that. What I propose is, that they should derive an advantage from long service, so far as better quarters, more fuel, and more lights, &c., &c. are concerned.

26. (Captain *Galton*.] After all, the quartermaster is allowed two rooms is he not?—One; he is entitled to one room for his wife and four children.

27. As a captain, he would not be entitled to more than one room?—But nevertheless they get it.

28. They generally allow a quartermaster two rooms, do they not?—They may as a matter of favour. I have spoken of four as the average number of the children in a family, but some of them have as many as eight children. I observe that there is a quartermaster of engineers who has eight children.

29. In the statement you have handed in, a comparison is drawn between the pay of a quartermaster and a quartermaster-sergeant, but you appear to have omitted any mention of the fuel and light allowances; those are, of course, much larger for the quartermaster than for the other grades?—The quartermaster gets 2 s. a day in lieu of quartermaster's fuel and lights; but perhaps the Committee on these points will examine the other witnesses. I drew that statement out the night before the House of Commons sat to discuss the question.

[The Witness withdrew.]

Quartermaster SAMUEL HADEN (half-pay, 6th Foot); Examined.

30. *President*.] THE object of this Committee is to inquire into and report upon the position, circumstances, pay, and allowances to quartermasters in the army. We have heard the evidence of Sir Frederic Smith, who has advocated the cause of the quartermasters so ably; and he has suggested that you should be called in. I and the other members of the Committee have read attentively your statement, and we are aware, therefore, of everything it contains?—I think you have only got my original memorial and the papers which were presented to Parliament. There is a more detailed memorial.

31. Captain *Galton*.] In what regiment did you originally serve?—I am now a quartermaster on half-pay. I served in the second battalion of the 6th Foot.

32. *President*.] Referring to your detailed memorial which you will hand in, will you be good enough to explain to the Committee the general

object of it; the nature of the cash responsibilities that are referred to; and also how they devolve upon the quartermaster, and give any instance that you can speak to of a quartermaster having suffered loss?—With respect to the clothing accounts, until the recent change of system, all those accounts were settled between the regiments and the regimental agents in one single account annually. It was done by the quartermaster, and through the commanding officer. At that period there was an annual roll for clothing, in which one account settled the whole clothing transactions; that is, of the cash expenditure in connection with the clothing for the year. The changes which have been made by the transfer of the clothing to the War Department have involved many alterations of system, and have increased the accounts; so that instead of one annual account, which was formerly referred to (the regimental account, by which

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which all matters were settled), we now send in 60 accounts annually instead of one; 60 documents, in addition to vouchers and sub-vouchers.

33. Will all that be shown in the paper you have handed in?—Yes; the clothing contingent account, which is now rendered quarterly, involves many other charges, and there are many new arrangements introduced, by which increased allowances are given to the troops; that is, allowances in lieu of various things; free kits, and allowances for free kits, and expenditure in many other ways; arms, accoutrements, and charges on account of arms, and a great variety of other charges, all of which necessitate the quartermaster having cash constantly in his possession to meet these charges. In fact, the present Royal Warrant with regard to the clothing requires the quartermaster to draw advances periodically, and to have money constantly in his possession, to meet these charges as they arise.

34. From whom do they draw the money?—The paymaster.

35. Why should they not leave it in his hands until it is wanted?—Because he will only pay money on one of the four days, monthly, which the regulations require him to do.

36. But that might be remedied by an order from the War Office?—The paymasters need not hold one farthing of the public money in their hands after they have paid their weekly demands; but the quartermaster, on the contrary, must always have money in his possession, and therefore he is liable to loss.

37. Captain Galton.] What is the money required for which the quartermaster has to keep in his possession?—It is to meet charges on the clothing contingent account; for instance, charges for the carriage of clothing, and for the alteration of clothing, &c.

38. To whom does he pay money for the alteration of clothing?—To the regimental tailors; and there are charges on account of arms, and the repair of arms and accoutrements.

39. Does he pay all those accounts down?—He does.

40. Then does he hold an imprest, as it were, from the paymaster?—He sends in a requisition, which is countersigned by the colonel, for the money as he requires it; but he can only apply for it on one of the four days monthly on which the paymaster is required to make advances to the captains.

41. Is it the fact that there are only four days in the month upon which he advances money?—Yes, there is a circular to that effect.

42. President.] It would appear from what you have stated that that must be a regimental arrangement?—No.

43. Surely it does not mean that he is to make advances merely to the captains of companies, but that the paymaster shall make payments of all descriptions on account of the service of the Government. Suppose, for example, that his commanding officer issued an order in these terms: "The paymaster is hereby desired to transact all money matters, and to settle all accounts of every description;" could the paymaster refuse to obey that order?—He would not refuse, but he would refer the matter to the War Office. In one of the letters which I shall lay before the Committee, I submitted to the War Office, through my colonel, a statement on the nature of the regimental payments, and the reply that was received was, that it was a matter that did not affect the War Department.

44. Then I presume it lay with the colonel to give his order?—The matter was subsequently brought before Sir Robert Walpole, who commanded a brigade at Gibraltar, and he did not settle it.

45. Com.-General Power.] Did the quartermaster continue to draw the money weekly?—Yes.

46. What might have been the amount drawn weekly?—The clothing usually takes about four months to prepare for issue, and it would perhaps average from 5 l. to 10 l. a month, but then there are other accounts, such as the accounts of barrack damages, and various other regimental accounts which the quartermasters are required to collect and disburse.

47. President.] How do the commanding officers, quartermasters, and paymasters view the regulations of the army, which say that a quartermaster is on no account to pay anything, that he is to be the holder of the stores, and that he is not to have any money transactions?—Excuse me, sir, the Royal Warrant requires the quartermaster to have this money.

48. Captain Galton.] If the paymaster was instructed to issue money to the quartermaster, whenever he required it, the grievance of which you now complain would be removed, would it not?—No.

49. Why not?—Because we complain that we are not remunerated for our duties and responsibilities.

50. But I mean all the responsibilities which are thrown upon you with regard to having to keep money in your possession, would not they be removed?—No, I think that if any change was made it would be better that the paymaster, who is the accountant of the regiment, should make all the payments himself.

51. Com.-General Power.] You are, in point of fact, a sort of deputy paymaster for certain services; is that so?—Yes; and it is a very great source of trouble, especially on foreign stations, where you have the differences of exchange and currency to meet.

52. Captain Galton.] Can you give any instances of quartermasters having lost money in consequence of being obliged to hold it?—No, I cannot quote any instance of loss having been sustained in that respect.

53. Nor in any respect that a money loss has been sustained?—No.

54. Com.-General Power.] Can you give any instance of loss on account of stores?—Yes; there is no quartermaster in the service who does not lose money in every year. It is impossible for any quartermaster to do his duty for one year without losing money, more or less, on account of the great mass of stores which he has to issue, and he is only assisted by one serjeant.

55. President.] How would you propose to remedy that evil?—As the stores now, instead of being regimental stores, are all public stores, and are no longer the colonel's stores, I think the authorities should authorise a permanent store-man to hold them.

56. Captain Galton.] Not belonging to the regiment?—Yes, belonging to the regiment; and also a permanent clerk for the quartermaster.

57. What have the quartermasters lost in any way by the transfer to the Government of the stores from private tradesmen?—There is no doubt, and it is of no use blinking the question, that some years ago the quartermasters were considered

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sidered to be very well off, and there is no doubt that caused the prejudice that still militates against the class. When necessities were supplied, and in fact I believe the thing was partially tolerated 30 years ago, the quartermaster was allowed to purvey necessities for the regiment, and to get a very large profit out of them, which was of course very irregular, and there is no doubt that in that respect the quartermaster may be considered now to be in a worse position than he was then; the thing, although not then exactly tolerated, was not positively prohibited till the year 1830.

58. In more recent times, I suppose, they have got some advantages from the tradesmen?—There is no doubt about that.

59. Do you know what amount they received from the clothing colonels; I suppose they received a regular stipend?—Generally speaking I believe that they did make allowances. I know that in the cavalry especially there was an allowance made, which was provided for in an old warrant of February 1844. I believe, also, that in most of the infantry regiments the colonels made an allowance to the quartermaster for taking care of the colonels' stores, for they were colonels' stores in those days, and until the year 1856.

60. Com. General Power.] Do you happen to know what it amounted to?—No.

61. Major Marvin.] Did you never hear what it was?—I have heard that it varied from 25 l. and upwards.

62. Capt. Galton.] Could you say at all what amount the quartermasters received from the tradesmen who supplied the regimental necessities?—I read in the report of the Weedon Inquiry that one of the clothiers stated that he gave 1 l. per cent. upon the value of the stock.

63. Major Marvin.] Did that apply to necessities only?—Yes; I believe in former days to clothing also.

64. Colonel Munro.] What do you think that would represent?—It would vary very much. In the young battalion that I served in recently our issues of necessities were very large for the young recruits, as much as 300 l. or 400 l. a quarter.

65. Captain Galton.] That was while you were supplying the recruits?—Yes, the men were very careless in knocking their clothes out. About 1,000 l. a year I think is the average for each regiment.

66. President.] What remedy have you to suggest for the trouble and risk to which quartermasters are exposed, by having to disburse money as you have described?—If the Committee will permit me I will call their attention to a few points in these letters, in order to show them how the duties have been increased, and that there is a real, positive, and serious responsibility; the duties have been most enormously increased during the last 10 years.

67. I think there is no doubt that the duties are greater than they ought to be?—The fact is, sir, that they are more than quadrupled.

68. I do not entirely agree with what you have already stated, but there has no doubt been a great addition made to the duties?—General Rumley, who was in command of the brigade when I sent in that memorial of 1859, went through it with my commanding officer, and it satisfied him that I had not really exaggerated anything. Since that time it has been submitted to Sir William Codrington, and he has on several occasions discussed the matter with me, and was very much disposed to assist us. Sir Robert Walpole has also had it submitted to him, and he has gone

through the whole of the book which is now lying before me, and has also thoroughly satisfied himself that the quartermasters, when I was at Gibraltar, were doing a great deal of work, and had a great deal of cash responsibility, and that they were performing a large share of the duties that the paymasters were supposed by regulation to perform.

69. Colonel Munro.] I think you have stated that you could not quote any instance in which a quartermaster had sustained any pecuniary loss from holding money in his possession?—Yes.

70. Captain Galton.] Will you now, if you please, proceed with your statement?—In framing my memorial in 1859, if you will refer to it now or subsequently, you will find that I have detailed separately the duties as they are defined by the Queen's Regulations, and those duties which we actually perform. The duties, as they appear in the Queen's Regulations, appear to be these, that the quartermasters are simply storekeepers. There is no instruction whatever in the Queen's Regulations directing the quartermasters to keep any account of money, or to keep any account of cash whatever. The Queen's Regulations are the only instructions that we get; we are not supplied with warrants, circulars, or copies of the War Office Regulations on any subject, and therefore it is only proper to assume that it is not intended by the regulations that we should have any cash responsibilities, taking the Queen's Regulations as we find them, and as they are detailed in that memorial. Of course it is admitted that the changes introduced with reference to necessities and clothing have increased our duties. This is a memorandum (*handing in the same*) which gives a further list of returns and documents that we are now required to furnish, and that we were not required to furnish in 1859, when my original memorial was sent in.

71. Major Marvin.] Have you got here a copy of your memorial of 1859?—Yes; here it is (*handing in the same*). In consequence of the multifarious accounts of monies received and distributed by me under various heads, I was induced to prepare a statement and submit it, through Sir William Codrington, to the War Office in 1859; that was another statement, not before you, in reply to which Sir William received a letter, dated 26th of September 1860 (to be found among the printed papers presented to Parliament), directing me to re-state the several questions under different heads. Those letters are dated 26th of October 1860, on clothing and necessities; 1st January 1861, on provisions; 20th March 1861, on arms and ammunition; 20th April 1861, on barracks; 9th May 1861, on lodging money, fuel, and light; 10th May 1861, on regimental accounts; and 18th May 1861, concluding the subject. The increased duties in connexion with the clothing are these: requisitions, size rolls, reports, and inspections on each instalment of every annual supply as it is received, are now required in quadruplicate. Until a few years since annual nominal rolls were forwarded to the regimental agents, to which I have already referred. At the present time, by the provisions of the Royal Warrant and War Office Circular, No. 602, dated 26th June 1860, there are five forms required quarterly. The quartermaster must, of course, keep a copy of each, and, "should the paymaster deem it necessary, also to take copies to be preserved with their duplicate vouchers and pay lists, which the War Office instructions require them to do, of each form; three copies would be used quarterly, or 60 in the

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the year, instead of one as formerly." That is not all, however, for by selling part-worn clothing of non-effective men monthly, as directed by the Royal Warrant, the subvouchers on this head are necessarily quadrupled. All these matters, while vastly increasing the work of the quartermasters, must have accumulated at the War Office an enormous mass of documents, when the strength of the army is taken into view. Admitting that it has been usual, even under former regulations, for the quartermasters to conduct or superintend the payment of tradesmen's bills for work performed on the clothing accounts, &c., I hope it will be recollected how little comparatively there was then to be done. Then, again, in the clothing contingent accounts, the sums realised by the sale of new, part-worn, or over-issues of clothing, for loss of, or damage to, great coats, &c., when collected by the quartermaster, are credited to the public and passed through regimental pay lists. The sums paid respectively as compensation in lieu of clothing, for making up and altering clothing, marking free kits and great coats, &c., the alteration of fatigue suits, the furnishing cuffs, collars, and chevrons to great coats, repair of accoutrements, and the cost of completing the kits of recruits joining from the militia, the commutation in lieu of free kits to soldiers on re-engagement, &c., are items requiring separate vouchers paid by the quartermasters and charged to the public through the same medium, the clothing contingent accounts and regimental pay lists; however necessary it may be for quartermasters to examine and vouch the correctness of tradesmen's and other accounts, above referred to, I most respectfully submit that to call upon them to collect, on the one hand, and disburse, on the other, public monies, is placing too great a responsibility upon the quartermasters. Then, with regard to the cash payments, to which I have already adverted, and which, by the Royal Warrant, we are compelled to carry out, I find that I have made this memorandum:—"I feel it to be a peculiarly hard case that while a paymaster can so regulate his drafts upon the commissariat as to avoid the necessity of keeping in his possession" (this is in the Colonies, where our duties are much heavier than at home) "for 24 hours together one farthing of the public money, as they can and do invariably make advances to captains and others on the days only set apart for cash to be drawn from the military chest; yet the quartermaster, so long as the present regulation continues in force, is obliged to retain in his hands money to meet contingencies on the clothing account."

72. Captain Galton.] Ought the quartermaster to hold public money for more than two days?—No; I think that the duties of that department, and the duties generally in the regiment, ought to be conducted on mercantile principles, and that the accountant of the regiment, like that of all civil establishments, should pay all bills; that the other departments should furnish the vouchers when necessary, and that the bills should be paid in that way. I am at present connected with a very large establishment, and in the store and general branch we receive thousands of pounds' worth of stores monthly; but we have nothing to do with the money transactions, we simply certify the vouchers as to the correctness of the number and quantities of stores received, but have nothing to do with their price, or with determining their value on receipt into store, or at any time subsequently.

73. Colonel Munro.] Have you any idea what amount you have ever paid in a quarter upon these contingent accounts for the repairs of accoutrements, or anything of that kind?—During the four years that I was at Gibraltar the contingent accounts and barrack charges, and regimental tradesmen's bills, amounted to 4,000*l.*, that is, 1,000*l.* a year.

74. But you were not bound to receive or attend to barrack charges?—Yes, I was. The regulation as to barrack charges is only a new one, and only affects home stations. The circular which directs the paymaster now to collect and credit barrack damage charges in his pay list, only affects home stations; and because of that the paymasters at Gibraltar and other stations abroad decline to have anything to do with barrack charges, and I therefore got the money in the best way I could from the officers; but I was on one occasion 3*l.* out of pocket because an officer was absent on leave.

75. Who paid the money?—I did.

76. To whom did you pay it?—To the barrack-master. It is unfortunate that the systems vary so much at home and abroad, for what is in force at home is not in force abroad; the regulations are entirely opposite, and frequently there are none at all. As to some things, in every other regiment in the service the system varies, and the quartermasters' duties vary. It appears to me that the proper system is for all the charges in a regiment to be collected and passed through the paymaster's accounts; but in two-thirds of the regiments now in the service the system is in force, of which I complain, in the colonies. The duties with regard to clothing, that is, the duties in fitting the men and in getting their clothing marked, occupy usually four months annually, upon which subject I have this memorandum: "The duties may be summed up thus: to prepare requisitions and size rolls for clothing, the proceedings of boards of inspection, the reports of quality, wear, &c., the correspondence on the numerous points that arise in reference to it; to take charge of the clothing, and superintend generally the fitting, issue, and marking of all the articles; to prepare all vouchers, including tradesmen's bills, and be responsible for their accuracy." I may observe here, that with regard to preparing tradesmen's bills, one would suppose that it was the duty of the tailors to prepare their own bills; but if a tailor sends in a charge for more articles than have been made up, or charges 1*s.* 6*d.* instead of 1*s.* for making up a certain number of suits of clothing, unless the overcharge happens to pass undetected through the accounts at the War Office, a disallowance follows, as it naturally will; and it is not the master tailor, who in the intervening period of several months may be discharged, who will suffer that loss, but it is the quartermaster, on whom no cash responsibility is supposed to rest, who will have to meet it; there have been numberless instances of that nature.

77. President.] But in the first instance you would come upon the master tailor?—Yes, if he is there, but if the man is discharged he may not be reached. In other cases of compensation losses may, and do, arise, very frequently, on a man being finally discharged, who at the previous annual issue did not receive his clothing, or only a part of it.

78. But if a man were discharged with a pension, his pension would be stopped if there was anything amiss?—But still, if a man had not a pension

pension granted to him, it would be very difficult to trace him; it would cause a great deal of trouble. It comes to this, that all the quartermasters I have ever met with made out the bills for the tradesmen themselves, in order to secure their accuracy, and to save trouble to the War Office and to all parties.

79. Colonel *Munro*.] Do you mean since the new system under which the master tailors get so much a year?—Yes; I will now proceed with the duties connected with the clothing, with respect to which I have this memorandum;—"To obtain all part-worn clothing of non-effectives, and to dispose of it under the orders of the commanding officer by public sale periodically; to fill up the annual nominal roll, and as the quartermaster's clothing book is but ill adapted for keeping the accounts of clothing received and disposed of, as it does not include the whole articles supplied, it becomes necessary to keep up, irrespective of that book, first, an additional account of clothing of every description; second, an account with the master tailor, showing the articles of material for suits that he has drawn out from time to time; third, an account with each company of the articles they have received on account of the annual issue; and, fourth, a general account of the material received, and how it has been disposed of." At present, in addition to the foregoing summary, must be added "the keeping of the accounts of expenditure; the filling up of the quarterly clothing contingent account; the payment of all sums due on this account, and the recovery of others, to be passed to the credit of the public." The quartermasters have themselves to collect accounts from the officers commanding companies, and at the end of the quarter to balance their contingent accounts and hand over the balance to the paymaster, if it is in credit. Then, again, since the letter from which I have quoted was written, additional free issues of annual and biennial clothing have been authorised for the soldiers, which entail increased requisitions, correspondence, issues, and accounts, twice a year, instead of once a year as formerly, and of course all these incidental issues are as much trouble as the annual issues. I have already referred to the contingent allowance which the quartermasters of cavalry used to receive. There is a circular, dated 28th February 1844, paragraph 16, which refers to the warrant in these terms:—"In clause 6 an allowance called the 'colonels' contingent allowance' of 100*l.* per annum is granted to each colonel of heavy dragoons, of the line, light dragoons, hussars, and lancers, consisting of six troops, with a proportionate addition in regiments consisting of more than six troops; which allowance is made for the purpose of defraying losses of clothing from desertion, the allowance usually made to the quartermaster for the care of the colonel's stores at head quarters, and for other small regimental expenses, to which a colonel of cavalry is liable."

80. Then the quartermasters have had to keep the contingent account?—Yes, and that contingent account was sent in on page 3 of the annual nominal roll. It was a simple account, and it was included on a single page of the annual nominal roll, and on that account the whole annual expenditure of the regiment was settled. It was submitted to the regimental agents, who examined it, and if they found that everything was correct, an authority was sent to the colonel to draw for the amount that was due to the regimental tradesmen for the alteration of the clothing, and so on;

it was all settled in that one account. Of course when the payment was made the master tailor's receipt for the whole expenditure, and the master shoemaker's receipt, were then sent in; but usually one account, and at the most half a dozen vouchers, settled the whole of the annual expenditure for the clothing, which now frequently requires a very great series of letters and correspondence, in addition to the many quarterly accounts and the numerous vouchers which have to be attached to them. Then, with regard to regimental necessities and the accounts connected with them, until the issue of the late warrant the paymasters were required to keep the accounts of the regimental necessities, but the quartermasters have always performed this duty.

81. *President*.] Have they always performed that duty?—Yes.

82. *Com. General Power*.] This account, you say, was prepared by the quartermasters instead of the paymasters?—Yes; in a series of accounts. There was a bill against each company, and a general account as a check upon the others; and a summary was then forwarded to the paymaster, to enable him to charge. The duties of quartermasters as storekeepers of necessities are pointed out in Circular 901 of the 11th of July 1842, in the explanatory directions of 1848, and Articles 79 and 80 of the Royal Warrant of the 24th August 1857; and at page 154, paragraph 280, of the Queen's Regulations and Orders for the Army. The article in the explanatory directions which directed the duties to be performed is Article 241 of July 1848, and in these terms: "The quartermaster is not to issue the necessities except on written requisitions, to be furnished in duplicate by the officers in command of troops or companies, one copy of which is to be delivered to the regimental paymaster, to enable him to charge the proper amount of stoppages against each troop or company." The quartermaster has always done that, but it has been the paymaster's work.

83. *President*.] Your statement is, that it has always been so done in the 6th Regiment, in which you have served; but do you consider that that is the rule throughout the service?—Yes; I have been speaking of the regulations as they were in 1848, and before the issue of the present warrant; but now the system is changed. I merely wish to point out how the duties of the quartermaster have been increased, and how the regulations have required things to be done in one way when the quartermasters have been required by custom and usage to do them in other ways.

84. *Captain Galton*.] You have been referring merely to the store account of the quartermaster's stores?—The regulation required the captains to send in written requisitions, and one copy of those requisitions was directed to be sent to the paymaster, to enable him to charge the proper amount against the company as the accountant of the regiment; that was his duty.

85. Do you mean a copy of the list of stores which the quartermaster had issued from his store?—Yes.

86. So that the paymaster might deduct the proper amount from the companies?—Yes; and so that he might make up what the amount of the stoppage was. The regulations required the paymaster, as the accountant of a regiment, to keep the accounts; but the regulations as to the quartermasters in no respect ever required a quartermaster to have anything to do with cash or with the

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the value of articles. I have seen books which have been furnished by the clothiers; but although they were useful in their way, and were good abstracts of the companies' requisitions, yet they entailed much additional work upon the quartermaster to the relief of the paymaster.

87. Major *Marvin.*] Are there no such books furnished now?—There are new forms, War Office forms, according to which, by the present system, the quartermasters are directed to make up those bills. I wish to add, that the regulations did not require the quartermasters before to do this work, although we have been doing the work, and it has gradually been put upon us as a duty. The accounts as to necessities were very voluminous. First, there was a general store account of quantities. We had also to keep 10 general accounts with companies; to prepare the proceedings of boards of inspection on supplies, the general requisitions on tradesmen, the proceedings of quarterly boards of inspection, a general issue account or day-book of quantities, a general monthly summary of quantities issued to each company, and to calculate the money value of the whole. We had to make 10 summaries of quantities issued to companies, one for each company, being a bill monthly detailing the articles, the cost of each, and the total sum due from each company on account of necessities; also, a monthly abstract, showing the totals of the sums due by each company respectively, the proportions to be carried to $1\frac{1}{2}$ per cent. fund paid for landing charges, and amount to be remitted to the tradesmen, which was sent to the paymaster, and a duplicate retained. Now, with regard to the necessities, the work was and still is very excessive, very troublesome, and very complicated in all those details, and if an error did occur, it arose in calculating those amounts; and at the end of the quarter, when the general quarterly board assembled, of course there would be a deficiency found in the stores, and that deficiency the quartermaster must of course make up.

88. Colonel *Munro.*] Do you happen to recollect the circumstances of any case of that kind which has occurred?—I never knew a quartermaster who could get on for a year without there being a deficiency of stores, more or less.

89. Sir *T. Troubridge.*] In such a case was the deficiency charged against his pay?—I have always paid it; I never got through the annual issue of clothing without losing one or two garments, the expense of which I had to defray out of my own pocket. A quartermaster cannot help it. He does not go to the commanding officer to complain that he has lost things; that would be useless, for he knows that he is responsible. It is very well to say that the commanding officer is responsible, but the fact is that the quartermaster is responsible, and I think it would be better to admit his responsibility; he must pay for what is deficient. He must trust to his pioneers, who are uneducated but very useful men; but some of them may be dishonest, and if they are dishonest, and anything is lost, the quartermaster must suffer. His store is generally a large open building in which duties of various descriptions are constantly being performed; for instance, in connection with groceries, and marking of clothing and necessities.

90. *President.*] It must be borne in mind that you can never dispense with responsibility of some character or other; for if that were done, there would be an end to all security?—We do

not wish to do that; what we wish for is, that our responsibilities, such as they are, should be admitted, for we have responsibilities.

91. You stated a short time back that you never had an annual issue of clothing without losing one or two garments?—Yes.

92. What is the largest amount that you have ever heard a quartermaster has lost in that way, and when it was obligatory upon him to put his hand in his pocket to make good the deficiency?—I can refer to a case in which an officer has been called upon to pay 97*l.*

93. Do you mean that he has paid it?—He will have to pay it.

94. There might be something very peculiar in that case; what were the circumstances?—I will read an extract from a letter written by an officer who was then serving in India:—"At the time the regiment left Meerut for Rohilcunde the whole of the regimental stores and officers' and companies' baggage were left in Meerut in one of the bungalows vacated by the men, and I never saw the stores again until I arrived at Benares. On examining them, I found several articles deficient; a Board was assembled to take stock, and the articles found deficient amounted to 97*l.* 3*s.* 3*d.*, and the Board decided that the amount should be made good by the officers who had charge of the stores. There were four officers concerned in it, and when those officers were called on to pay their portions, they declined to do so, stating that they never received any list of the articles; and I had only one day and a half allowed me to have the whole of the stores, officers' baggage, and companies', removed a distance of 600 yards, and it was quite impossible that I could have handed over a list of the articles in that time, as I had no assistance, as all the available men had left. This is the whole of the circumstances relating to the stores only. I have to make good the 97*l.* 3*s.* 3*d.*"

95. I think in a case of that kind it is highly improbable that the 97*l.* will be charged against the writer of that letter?—I think he will have to pay it, and there are other instances.

96. But that is altogether a separate case from the general complaint of hardship arising from the loss of stores?—It is upon these occasions, when a regiment is moving, and when the quartermaster is obliged, if possible, to be in many places at the same time, and has to look after so many different things, that losses occur.

97. Colonel *Munro.*] Is the letter from which you have just read an extract from a quartermaster?—Yes.

98. Does he mention who the other officers were?—No, he does not.

99. Captain *Galton.*] In what year did that case occur?—I fancy it was during the mutiny in India, but he does not mention the date.

100. *President.*] Referring to the quarterly inspection of stores, I suppose the loss, generally speaking, is only of some small matter?—Perhaps one or two pairs of trowsers, or two or three pairs of boots; but however trifling the thing may be, it is a serious thing to a man who has very little pay.

101. Major *Marvin.*] I suppose the quartermaster pays the value of the missing article without troubling the colonel about it?—Yes, because it would be perfectly useless; the colonel would tell him that it was from his own neglect. The present warrant with regard to clothing and necessities states that the necessities will be kept

kept by the quartermaster, and that "the commanding officer will be responsible for the proper preservation of those public stores." Of course the commanding officer is responsible for everything in a regiment. Article 95 is, "The necessities will be kept by the quartermasters. The commanding officer will be responsible for the care and preservation of these public stores; and in the event of the troops being employed upon active service in the field, the necessities in store at each regiment should be given over to the store officer accompanying the army, to whom all requisitions should be addressed, and who will obtain the necessary supplies from England. 96. They will be issued upon the requisitions of officers commanding troops and companies, at prices which will be notified by the War Office. 97. Quartermasters will render an account to the paymaster of the sum to be charged against each troop or company." That is the order which relieves the paymaster from the whole duty of supplying these accounts, which the quartermaster had always done, and now puts it upon the quartermaster by regulation. It goes on to say, at Article 109, that "The quartermaster is to take care of the necessities," and "The paymaster shall keep the accounts," but that is a mere fiction, because the quartermaster has still to keep the accounts, and all that the paymaster has now to do is to receive an account in an abstract form from the quartermaster monthly, and to charge the sums against the companies. As I have pointed out, that part of the warrant says "The paymaster shall keep the accounts of the necessities under such orders as may be given to him by the Secretary of State for War," but the quartermaster still prepares them. Then there is another thing, which is but very trifling, but it causes a little addition to the duty. Everything that takes the quartermaster-sergeant away from his outdoor and active duties must necessarily add to the quartermaster's work, and what I am referring to is a new arrangement by which all the clothing and necessities must be marked before leaving the stores. That is a thing which the quartermaster-sergeant generally does, or provides a man to do, receiving the benefit of it; but still it takes him away from his work.

102. *President.*] In carrying out that order, do you only put on the store mark, or the man's name and regimental number?—Upon woollen articles we put the store mark, but upon cotton articles we put the man's name, the regimental number, and the date.

103. I suppose you would not like an article to go out of store without having a store mark upon it, as questions might be raised as to whether it was a store article or not?—Yes. Under this new system I have not seen any of those old store marks. With regard to arms and ammunition, until three or four years since the armourer-sergeant invariably drew the small articles, such as nipples and main-springs, and many other little things connected with the rifles, which must be now obtained from the military storekeeper. The armourer-sergeant used to pay for them through the paymaster, and had the whole custody of them. The new arrangement which has increased the armourer-sergeant's pay, and has in fact made it much better than the quartermaster's, now places those duties upon the quartermaster also, and he has now to prepare requisitions for all materials for the repair of arms; he has to keep a new book account of

them, and is responsible, of course, as he is for all the other stores, and in the event of any loss or deficiency, he must make it good. Then, again, the system of rifle instruction causes additional work in the frequent issues of ammunition. In the colonies, at Gibraltar, and other places abroad, and also in many places at home, companies are from time to time detached for rifle instruction, and all these little things add to the work of the quartermaster; he must personally attend to the magazine; the regulations direct him to attend personally at every issue or every return to store of ammunition, at all receipts and issues of provisions, at all exchanges or receipts of barrack furniture or bedding, and at all issues of or exchanges of camp equipage, &c., from commissariat, barrack, or military stores; and all these things tend to prolong his day's work and increase his duties and responsibilities. At Gibraltar, and in the colonies generally, I know that the ration accounts are very much complicated, the quartermaster having to keep up the account of the daily distribution of his corps for rations, and to be responsible for the accuracy of it. The quartermaster there had to go down daily to the camp of instruction to find out how many men or companies were down there, and how many had gone away since the preceding day, in order to keep up these details correctly. Then, again, as to provisions, that is another point. There are the monthly bread and meat accounts, which are rendered at home in barracks. The Explanatory Directions say that those accounts are to be rendered by the regimental paymasters; no doubt the regimental paymasters send them in, but the quartermaster has always prepared them, and that is a duty which any person unacquainted with the service, and referring to the regulations, would naturally suppose the paymaster performed.

104. Colonel *Munro.*] He makes the stoppages, does he not?—Yes, but he does not render or prepare the accounts. The quartermaster does that; he makes the issues and fills up the monthly accounts.

105. He only furnishes the paymaster with the total number of the rations, to correspond with the total number of rations issued by the commissariat?—The return to which your question refers affects the camps, it does not affect the other stations at home. The monthly accounts, directed by the Explanatory Directions to be rendered by the paymaster, are, and always have been, prepared by the quartermaster. I mention this to show that in other instances duties which are directed to be performed by other officers are executed by us, the quartermasters. They may be small and simple in themselves, but all these things tend to add very much to the work of the quartermaster. About three years ago a new system was introduced abroad which dispensed with the three days' ration return, and introduced a daily form. The quartermaster had always prepared the three days' return in every regiment in the service, and in that case, as in others, it was the duty of the paymaster to send it in. The regulation is Article 277, page 81:—"When a regiment is to receive rations of provisions, or other supplies from Government, the paymaster, on the day preceding that fixed for the first delivery, is to certify to the officer of the ordnance, or other department, charged with making the issues, the exact number of persons of each rank, as well as the

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the number of horses actually present with the corps; and on the day preceding each subsequent delivery, he is to certify, in like manner, the number then present, and also the alterations which may have taken place since the former certificate, as far as they may affect the deliveries of provisions, or other supplies."

106. That is now obsolete, because there is no "officer of the ordnance" now?—No, but the words are, "officers of the ordnance, or other department, charged with making the issues," and those regulations are still in force, but this has been changed by a new circular that was issued about three years ago from the War Office.

106a. *President.*] It requires revision?—No doubt of it, and in every page. I point to this in order to show that this was formerly the duty of the paymaster, but now, by the new regulation, it has been made the duty of the quartermaster. It is now directed that the quartermaster shall fill up the ration return, but it is a new duty which, like the others I have referred to, was formerly conducted in a different way. There are also out at Gibraltar, and at other stations, extra issues of rations. There are occasional contracts required, and the commanding officers have the privilege of appealing to the commissariat to arrange the contracts for them for vegetables, and other supplies, and in those cases the quartermaster is usually the person who is charged with the receipt of those things, and with the distribution of them, and the preparation of the accounts. Then, again, there is a new grocery system in force in our camps at home, and in the colonies—at Gibraltar, Corfu, and Malta; and in the same way the requisitions and accounts, and every matter in connection with them, have to be prepared by the quartermaster. In some cases the officers, and other people, are occasionally allowed, instead of drawing rations or other things, to receive allowances in money, but that is a matter which certainly I think the paymaster should always attend to; but out at Gibraltar the quartermasters were required to attend to it.

107. *Captain Galton.*] In the orders and regulations for the army it is laid down that amongst the forms which the quartermaster should keep is an account for fuel, forage, and provisions?—Yes, of course, an account of quantities, but there is nothing that refers to cash, or to cash accounts; there is no cash account of provisions.

108. *Colonel Munro.*] The commissariat had nothing to do with figures?—No, it is only an account of quantities.

109. *Captain Galton.*] The account which you speak of is only an account of quantities?—It is only of the number of rations issued daily, and the amount of the stoppages to be deducted at the end of the month from the regiment.

110. *President.*] You mean, I think, that the paymaster should attend to the cash part of the business?—I was pointing out, with regard to the bread and meat account, that the old regulations required those accounts to be rendered by the paymaster, and that instead of that we, the quartermasters, have made them up. As to the value of the rations, and the amount of the stoppages, we always gave the paymaster an abstract.

111. Are you now directed to make up those accounts?—Yes. The new commissariat direc-

tions require the quartermaster to make up those returns, and all those regulations refer to the quantities and everything else.

112. *Major Marvin.*] You have said something about commutation instead of drawing rations?—Yes, there are cases in which officers receive a commutation, or other individuals, in lieu of rations; for instance, there was a commutation or allowance made at Gibraltar, in lieu of oil, and I was required to prepare the account for it, and to show the amounts that were due. I was also required to distribute the amount to the officers concerned, and in the proportions to which they were entitled. This account the quartermaster had to prepare and to send in through the colonel to the commissariat, and, as I have stated, to distribute the proportions amongst the officers entitled. Then, again, as to the receipt of these rations in bulk, it may be necessary, but it adds very greatly to the work of a regiment. When I went to Gibraltar, the day after my arrival, my sergeant said to me, "We require weights and scales, we have no knives and no cleavers, and we must have something to enable us to distribute the men's rations; we receive the meat in quarters, and we have no means of cutting them up."

113. *Com. General Power.*] Have you not always found that to be the case abroad?—Yes, and of course regiments had to do the best they could. At Gibraltar I had to purchase weights and scales, or to order them, otherwise the men's rations could not have been issued on that day.

114. *President.*] You do not mean, I suppose, that you were at the expense of them?—Not ultimately.

115. *Com. General Power.*] Who was at the expense ultimately?—It was charged against the regimental baggage fund; but since that time, about two years after our arrival, we received, in common with other regiments abroad, a communication inquiring of us whether we had such a fund, and then we had to give it up; as long as we had it it was perfectly right for the colonel to make use of it in that way. In consequence of some representations that I and other quartermasters made to General Codrington, after one or two unsuccessful attempts, he induced the authorities to make the issue and receipt of those articles in bulk. The receipt of the groceries, casks of pork, and barrels of various other stores, bags of coffee, &c., entailed by the colonial ration system and the new grocery system, go to increase the work of the quartermaster, and to keep his sergeant employed. If he has not an active sergeant he must be very badly off, but with an active man he may do pretty well, otherwise he must work almost night and day in getting these things distributed and accounted for. With regard to charges for accoutrements and appointments, they were usually settled on the clothing return in one annual account, but now the vouchers and sub-vouchers and correspondence on those matters are also very much increased. Changes of patterns have been very frequent of late years. Interchangeable arms have been introduced, all of which changes have increased the duties of the quartermaster. I have always felt that I have had a responsibility with regard to these stores, and that I was responsible for their safe custody. I submit, therefore, that it would be only a matter of justice to us, for I speak with reference to other

other quartermasters, instead of ignoring that responsibility, to admit the quartermaster's responsibility, and, if necessary, let the quartermaster be called upon to provide security that he will take proper charge of his stores, and of the money that passes through his hands.

116. *President.*] Do you not think that if the quartermasters were called upon to provide sureties it would have the effect of excluding many men from the army who could not provide sureties?—No, I think not; they would have no more difficulty than the paymasters now experience in providing securities through the aid of the Guarantee Association.

117. *Major Marvin.*] You must bear in mind that they have to pay a good deal of money for that?—Yes, about 20*l.* per annum, which the quartermaster would also be able to pay if remunerated as the paymasters now are. I submit to the Committee that the duties of quartermasters are really more arduous, if not more responsible, than those of any other individual officers, not only in their extent, but in the multifarious matters that they have to attend to. I should like very much to ask permission of the Committee to call upon Colonel Frazer, my old commanding officer, to give evidence on these points. With reference to cash responsibilities, I will read an extract from a letter received from an officer serving in Canada. I must mention that in Canada the quartermasters are, by general order, required to pay the working men of the regiment their working pay, daily or weekly, as it may be issued from the commissariat chest.

118. Do you mean for labour performed in the Queen's works?—Yes; this officer says:—"I have frequently had in my possession at the same time 80*l.* of working pay, being unable to issue it from the difficulty of getting the regimental demands to agree with the receipt from the commissariat. I had formed the resolution that in case any of the money in my possession was lost, I would not make good a farthing of it." Of course the regimental demands were the companies' requisitions, and as they frequently disagree with the engineer's accounts, there is, of course, delay in coming to a settlement.

119. *President.*] At the same time this is not put by the regulations upon the paymaster?—No, but this is another instance of cash responsibility which the quartermaster has to meet.

120. The regulations do not make him responsible, do they?—There is a general order.

121. No general order makes him responsible; it is anyone whom the colonel may select?—I know that there is in Canada a general order directing it, a local general order, and that is another of the many instances which may be given. I hold in my hand another letter received from an officer of the Royal Artillery in India; he says:—"My scriptory duties are heavy, 1,083 letters having been written in my department from the 1st January to the 10th September 1863. There are also a host of incidents, &c., to make out during the month, peculiar to India. As regards financial duties, I have as large a sum as 3,300 rupees in my chest at times, and the subjoined figures exhibit the transactions since I was appointed quartermaster. They are the actual sums which have passed through my hands." Then he enters into details, and the total of rupees, from September 1862 to August 1863 was 33,074, or 3,307*l.* 8*s.* sterling. That is another instance of cash responsibility,

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and, as I have already stated, at every station the duties vary in the same way, for at no two of them are they alike. The Committee, I believe, have already had laid before them a comparative printed statement of the pay and allowances received by quartermasters, as compared with the sergeant-majors and quartermaster-sergeants, and in the face of that incontrovertible document it seems to be hardly necessary to point out how utterly inadequate the present rates of pay are for the duties which the quartermasters render. To give the Committee some idea of how that works, I will read an extract from a letter which I received the other day from my successor, who is now at Jamaica. He says, "In consequence of the unexpected removal of the regiment from Corfu to this place, I had to pay on arrival 32*l.* 10*s.* on account of my family's messing, and also 12*l.* for a pony." Another officer writes thus:—"In pecuniary matters I have found, with the most practised economy, my pay totally insufficient to meet the numerous requirements to support my position, both as an officer and a gentleman, and I have been compelled to fall back on my former savings to avoid getting into debt." Now these are very serious drawbacks for anyone to have to encounter. I now wish to point out to the Committee that the warrant under which quartermasters now serve, and which regulates the pay, does not meet the present services of the officers in that grade. The Committee will find, by referring to the analysis of the services which is in the blue book before them, that quartermasters now get commissioned at younger ages than they did formerly, and consequently that they have to serve for longer periods as officers:—"This warrant appears to have been framed when the commission of quartermaster was attained only by non-commissioned officers of 20 years' service and upwards; by it they would, after five years' service as quartermaster, be entitled to increased pay at 8*s.* 6*d.* per diem in the infantry, and 10*s.* 6*d.* in the cavalry, and after 10 years' service to 10*s.* per diem in the infantry and 12*s.* in the cavalry. At present, and during the last 10 years especially, younger men have obtained this commission after 5, 10, and 15 years' non-commissioned service; the aggregate period of compulsory service for retirement (30 years) being alike in all cases, they have necessarily longer periods to serve as quartermasters. The fact of their being young officers, instead of being a recommendation for, acts as a bar against their becoming entitled to additional pay after 5 and 10 years' service respectively, nor can any display of ability or zeal surmount the disqualification of short service as a non-commissioned officer. At present many active young officers will have to serve from 7 to 10 years as quartermasters before obtaining pay at 8*s.* 6*d.* per diem in the infantry, and 10*s.* 6*d.* in the cavalry, rates which many of their juniors attain at five years' service. Not only do they thus suffer for attaining commissioned rank when young, and likely to be most serviceable, but they have nothing whatever to look forward to in the shape of additional pay, attainable by other classes for service after 15, 20, and 25 years, which periods many of the quartermasters will now be required to serve as commissioned officers. Only 39 out of 126 will be entitled to retire on half pay under 11 years' service as quartermasters, while 43 will have to serve from 11 to 15 years, and 44 from 15 to 30 years, each as quartermasters

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masters for retirement. Thus while 'A,' commissioned after 20 years' service in the ranks, is entitled to claim retirement on half pay at 10s. per diem, with the honorary rank of captain, the same day that he first becomes entitled to that rate of full pay, after 10 years' service as quartermaster, 'B,' commissioned at five years' service, and 'C' at 10 years' service, must serve respectively 25 and 20 years as quartermasters at the same rate of retirement as 'A,' and never under existing warrants receive higher rates of full pay than the present maximum of 10s. in the infantry and 12s. in the cavalry, nor attain a higher relative position during this long service than that given them on appointment of lieutenant."

122. Major *Marvin*.] It is simply speaking of him in the grade of an officer instead of in that of a non-commissioned officer?—But you get a great deal more work out of the officer.

123. Colonel *Munro*.] And he receives more pay?—I do not think that is a fair way of looking at it. You commission two men as quartermasters, one may be promoted after five years' service as a non-commissioned officer, and he must serve 10 years before he gets an increase of pay, while the other, promoted after 10 years' service as a non-commissioned officer, serves but five years for an increase of pay.

124. Major *Marvin*.] But it is not often that a man is promoted to the rank of quartermaster with less than 10 years' service as a non-commissioned officer?—There are several who have been promoted to the rank of quartermaster with less than six years' service, and the analysis before you proves that the majority of the men will have to serve for more than 10 years.

125. If a man has served 10 years as a non-commissioned officer he will receive an increase of pay after five years' service as quartermaster, but he must make up the difference between the 10 and the 15 years in the officer's rank?—Yes, that condition in the terms of the warrant as to the non-commissioned service in regard to increase of pay is very unfair. I think it very unjust that service as a non-commissioned officer should be taken as a guide to a commissioned officer's increased rate of pay.

126. *President*.] The majority of the quartermasters who become entitled to retire upon 10s. per diem are still, physically speaking, able men, are they not?—A great many of them.

127. The majority of them?—Yes.

128. Do you suppose that they would like to continue to serve after becoming entitled to that retiring allowance?—I think not.

129. Major *Marvin*.] Not if they received an increase of pay after 10 years' service. They get the maximum pay now after 10 years, and do you think they would like to serve beyond that for an increase of pay?—Yes, presuming the rate of pay on appointment is increased, and after such period of five years' full-pay service, a corresponding improvement in pay is authorised, it would, no doubt, be an inducement to officers to prolong their services, but not otherwise. As to the conditional terms of the warrant, I have always felt it was very hard indeed that a man's service as an officer, and that his claims as an officer, should be disregarded or shut out from consideration, because, as a non-commissioned officer, he had only had a certain period of service.

130. Colonel *Munro*.] You have been a fortunate man, perhaps, and obtained a commission early?—My commanding officer considered that

I deserved something for my services, and he recommended me; but I think it is a very unfair way of treating the question to say that a man has been fortunate. I have done my work as well as I was able, and taken a great deal of pains to do it well, and many others have done the same. I think you should take the cases as you find them. The warrant that I have been referring to provides for the retirement of quartermasters after 30 years' service, 10 as an officer; but in the present state of things, the majority of the quartermasters will have to serve for longer periods, for at least from 12 to 14 or 15, or more, years' service; and on that account, I think, with regard to retirement, the old officers are entitled to more consideration than they now receive. As it is the rule in all other grades that officers invariably obtain an increase of pay after 5 and 10 and 15 years' service, up to a certain limit, for services rendered, provided they have done their duties properly, I think it is very unfair that because a man has been promoted to this particular commission from the ranks he is to be required to serve 10 years for that increase of pay which others get after five years. Officers from the ranks promoted to cornetries or ensigncies, have neither their promotion retarded, nor their pay affected by such restrictions.

131. *President*.] In your opinion, would this be a fair view to take of the case of the quartermasters, that they have been selected and appointed quartermasters as a reward for former good conduct in the ranks, and being very intelligent and deserving men, the appointment bringing with it certain prospective advantages, and it having been originally conferred as a reward for past services?—No doubt that is so. Promotion must in every rank be so considered, as a reward for past services; but I think there should be some stimulus to exertion and reward in the future. In the majority of instances I think it would be found that the non-commissioned officers in the service would gladly accept a commission; but the old soldiers appointed quartermasters get the benefit of their previous services on retirement; the half pay is the same for both; after 30 years' service these officers are entitled to retire, if they have been for 10 years quartermasters.

132. Major *Marvin*.] In your case you would be obliged to serve 10 years as quartermaster before you get the increase of pay?—Not quite 10 years. Suppose I was re-appointed to a regiment, it would run to seven or eight years; but I wish to put personal considerations entirely out of the question.

133. But you would have to serve that time, in order to make up 15 years' service, as an officer and is a non-commissioned officer?—Yes. The warrants do not meet the present state of things. The officers now in this commission have to serve for a much longer period than formerly as officers. I think that these additional services as officers should be treated as they are in other non-combatant grades, by increased remuneration and consideration; and I do think it is very unfair to deprive an officer of pay which his services have fairly entitled him to, or that his services might entitle him to, and that because he has only been for a certain number of years a sergeant, he should be required to serve 10 years as an officer without getting an increase of pay, instead at five years' service, when other grades usually, and almost universally, receive it.

134. *President*.]

134. *President.*] What are the improvements you think desirable in the position of the quartermasters as to pay, and so on?—If the Committee would kindly compare the warrants and the duties of the other non-combatant officers with those of the quartermasters, I think they would find, as regards the regimental officers, the paymaster for instance, that the quartermaster's duties are certainly more onerous, more arduous, and equally responsible with his, and therefore deserving of equal remuneration.

135. Then you would ask to be placed on the same footing as the paymasters?—If the rewards are to be measured by the duties, I consider the quartermaster entitled to as much remuneration and consideration. There is another point I have not yet mentioned, and that is the classification or relative position. There have been important changes of late years in the classification of the different non-combatants of the army, and this classification as to relative rank, regulates the choice of quarters, the distribution of prize money, rates of field allowances, lodging and other allowances, and also the widows' and orphans' pensions. The classification of the quartermasters is such, that if a man is promoted to the commission at five years' service, he is relatively a lieutenant, and has to serve for 25 years, remains a lieutenant all that time, while all young officers entering the army, gradually pass over him and become his superiors. Thus he never has any choice of quarters, except amongst the lieutenants, and a young officer may enter the service and become his commanding officer before the quartermaster can retire. There has never been any improvement in his relative position. I do not advocate it personally; but I know that it is the general wish of my brother officers, that they should have some honorary rank given to them after certain periods of service. I certainly think that there should be some comparative standing given to them after certain periods of service, such as other grades enjoy.

136. Major *Marvin.*] That is to say, relative rank, not honorary rank?—Yes, which should carry the usual pecuniary and other advantages, such as a choice of quarters, &c. On board ship there is a choice of cabin accommodation for families, and in barracks a choice of quarters. On occasions of movement of corps, the quartermaster now-a-days has duties to perform which are more than ever arduous. With regard to the work in the colonies on occasions of removals taking place, I should like to read an extract from one of the communications which I have submitted on that head. It is as follows: "As the settlement for rations is always made by the quartermaster of a corps, it will be well to consider what, on such occasions, of sudden moves, that officer has to do; the day his corps embarks for a new station, the barracks vacated must be given up, and the thousands of articles of furniture and fixtures counted and examined, deficiencies and damages noted, and differences or disputes adjusted. It must be recollected that regiments consist now of ten instead of six companies, and that the accommodation required formerly is now doubled. Giving up a barrack, its numerous outbuildings and detached officers' quarters is now more than can be accomplished in the longest day. The ammunition in possession of the soldiers must be collected, and with that in the magazine be examined, classified, repacked, and returned to the military storekeeper. Requisitions for a

new supply of service ammunition must be made out and submitted, the ammunition be drawn and embarked on board the ship; requisitions must be made for arm-chests in which to pack the arms, which when packed must also be sent on board. The baggage of the regiment must be weighed, each package separately, and then embarked; any camp equipage or other stores in possession must be returned to the department from which they were issued. The regimental stores of clothing and necessaries must be carefully packed and embarked. Usually about 10,000 articles of bedding has to be conveyed to the barrack store, and every article separately examined, counted one by one, deficiencies arrived at, and damages noted and assessed on the spot. The portion of the ship allotted to the corps has also to be taken over and divided, and the numerous mess utensils, hammocks, and blankets distributed, and rations estimated for and drawn for that day's consumption. On such occasions personal considerations, wants, or feelings must be put aside. Every officer has time to have his own baggage packed, a quartermaster alone excepted. He has neither time to attend to that, or to the settlement of any private matters when thus suddenly removed. Already are enumerated sufficient duties of a responsible character to employ six active officers, instead of one, during a move. All those matters render corps liable to loss, as it must be clear that regiments suffer while quartermasters are so excessively worked. But to the foregoing must be added, under the system which I regret to say still prevails, the settlement for the undermentioned articles, and the return of the balances remaining on hand to the commissariat and their contractors' of bread, biscuit, and bags, coffee and canisters, coals, fresh meat, oil and wick, pepper and canisters, salt and barrels, salt meat and barrels, sugar and barrels, tea and chests, wood; and as it must occur, while such arrangements are in force, that under the circumstances alluded to, deficiencies cannot always be prevented, in these cases the quartermasters would be expected to pay for them before their departure." That is in fact just the state of things where a regiment is ordered from one station to another in the colonies, and what has to be executed is done as well as it can be, but it is not done as it ought to be on the day that a regiment leaves a station. I wish also to call the attention of the Committee to the fact that the quartermasters, by the suggestions which they make through their commanding officers to the authorities, do effect advantages for the public, by saving expenditure in various ways. I may take to myself partial credit for having effected a very considerable saving.

137. *President.*] I do not think that anybody will dispute that, because that is a part of their duty?—There is one other thing that I wish to mention; it is this. Some years ago an allowance of cloth for repairs was authorised to be made to a regiment, which is not now drawn at all. It is an issue that has never been before required. Of course somebody had applied for it. Otherwise I suppose it would not have been authorised, but I and other quartermasters decided that we would do without it if we could. We represented that the thing was not necessary, and in that item alone I am sure that some thousands of pounds annually are now being saved to the public, because the issues were discontinued. I have still a great mass of details which I should not like to ask the Committee to listen to.

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138. You can hand in anything you would like the Committee to read?—The book which I have here contains the series of letters which have been submitted by me to the War Office, in consequence of the letter which I received, directing me to restate various things of that nature; I have in them entered fully into the details, more so than the Committee perhaps would like to go through, showing the way in which every regimental matter is managed, which a quartermaster has to perform, and giving a very accurate and honest account of how the work is performed. I may mention that I had not been a quartermaster-sergeant. I was first appointed quartermaster to the German Legion, and subsequently to my late corps. I found the work very hard, for the first six months after joining the second battalion of the sixth regiment I had to work 16 hours a day, Sundays not excepted, in getting the regiment fairly started, and I found many difficulties to overcome, considering that I received no warrants, circulars, or copies of instructions of any sort. I had to purchase the War Office regulations and

addendas out of my own pocket, in order to find out how things had been done before. I endeavoured to find out what the regulations were, affecting the quartermaster and his duties, and I borrowed circulars for 30 years previously, and endeavoured in that way to arrive at what the regulations were, to see what we were doing by regulation, and what we were doing that the regulations did not refer to. In the result I submitted the memorial before you, and I have since endeavoured in the same way to point out to the authorities the real state of things, and I am only anxious now that everything should be laid before you in as satisfactory a manner as possible.

139. I think the quartermasters have had a very good representative in you?—I am only afraid that I have not sufficiently convinced the Committee of the soundness of the statement as to the cash responsibilities. There is no doubt that it is serious in many cases, and that losses do arise in consequence.

[The Witness withdrew.]

Quartermaster JOHN COLE (60th Royal Rifles), examined.

Quarter-
master
J. Cole.

140. *President.*] THE Committee have before them your own printed statement, also Mr. Haden's printed statement, and we have just received his evidence at considerable length. We suppose that your statement contains in a general way all that you would desire to say, but we will be very willing to hear any suggestion that you have to make?—Of course that memorial was the result of the dissatisfaction which I felt with the amount of remuneration I was receiving; considering the position I held and my responsibilities, I therefore drew up that memorial, and I adhere to it. In the discharge of my duties in the regiment I have always considered myself, and in fact I was considered by my commanding officer, the most responsible officer in the regiment, not only on account of the varied nature of my duties, but also on account of the great amount of stores which I had; and the commanding officer then forwarded that memorial. I was his assistant in the formation of a new battalion, the 2d battalion of the 20th regiment, consequently there were many duties as quartermaster which devolved upon me. I had the receipt of all supplies to that regiment, and everything connected with laying the foundation of a new battalion; but even had it had been an old battalion, still the duties were very onerous.

141. What you wish to impress upon the Committee I think is, that the duties at the present time, as compared with former times, are greatly increased?—Yes.

142. Are they increased as compared with the time when you received the appointment of quartermaster?—They began to increase from that date.

143. When were you appointed?—I was appointed in 1858, and since then there have been a great many new duties imposed upon quartermasters—since the centralisation of supplies under the War Office. In transactions with tradesmen it is much more simple, because there are many more accounts and returns in all things connected with the War Office which are not called for in transactions with civilians; and there is intricacy of accounts from the number of returns which are required by the War Office.

144. Do you complain of the duties you have had to perform since you were appointed quartermaster, the duties being now far greater than they were at first, or than you expected to have to perform?—Yes, they are much greater.

145. Do you, in consequence of that great increase of duties which you never before contemplated, think that you ought to have some further remuneration?—Yes, on the principle that the labourer is worthy of his hire. Every man values himself according to the way in which his duties are rendered, and I put a value upon myself, as regimental quartermaster, according to the amount of the service that I render to the army and to the public; and I consider that those duties, when taken into consideration with those of any other regimental officer, are equal to them, if not superior.

146. Do you perform duties which, in your opinion, other officers in the regiment ought to perform?—Yes, I feel, as a matter of course, in many things connected with the paymaster's office, that I have to do so, but I might as well furnish him with accounts, because I must necessarily furnish the matter, as I alone possess the details for the accounts of payments for supplies of rations, clothing, necessaries, &c., received in bulk and issued in detail. I sign these accounts, and must abide by the integrity of my own figures, whether furnished in manuscript or in any other given form; it is on the integrity of my figures that the payments are made. I furnish those figures, both for supplies and the cash to be paid or credited for issues.

147. Are you ever liable to any pecuniary loss?—Yes, very much so; if I do not exercise very close supervision over the stores, I must be liable to a loss. My duties call me away so often. I am called upon by the commanding officer to assist him in many details of interior economy, and I must, therefore, in a measure leave my store to subordinates. It is by careful stock-taking, and a well laid system, which is purely my own invention, that I avoid loss. The quartermaster has no books in which to keep correct accounts; of late we have got a necessary book, but as to other things, such as rations, fuel, light, ammunition,

ammunition, arms, and accoutrements, and also various things, to enable us to make out a correct account, we have not proper books furnished.

148. Have you ever been called upon to refund anything?—No, but on one occasion the quartermaster-sergeant was deficient, I think, about 64 lbs. of meat, but then my commanding officer gave me the price of it; he heard that I had paid for it; it was Colonel Palmer.

149. Com. General *Power*.] Have you ever lost anything in the issue of clothing?—Never.

150. *President*.] Judging from your own statement, and others which have been sent in, I gather that it is your opinion that the quartermasters should have an increase of pay?—Yes. If I take my value as the quartermaster of a regiment in comparison with any other officer, I consider that I am as responsible a public officer, and as hardly worked, or more so, than officers who receive very much superior pay; for example, the paymaster, his accounts are simple enough, while mine are varied. It is not only the official work, but there is besides manual labour; there is the supervision of barracks, and preparing the quarterly accounts of fair wear repairs for the engineers, which I do. I also see that they are executed. I must do the same as to barrack charges. I must see those charges executed if I am to protect the interests of my regiment, and see that the engineer's work is done too. I must attend at the magazines, go to the barrack store, and be present at all issues and receipts, and do many things of general utility, which I am called upon to do by the commanding officer.

151. Is there anything further that you wish to impress upon the Committee; any particular grievance?—The thing that I have suffered from since my appointment has been this. I was first appointed a cornet to the Land Transport Corps from the Royal Artillery. I was then placed on half-pay, in consequence of reduction; I was brought in, in 1858, as quartermaster to the 2d battalion of the 20th regiment, and I found that I had thus expense entailed upon me, for no sooner had I received my appointment than I was subjected to various taxes in the shape of contributions, and I was obliged to put a weight about my neck for cost of an outfit. I did not get an allowance, and I was 12 months on half-pay.

152. Major *Marvin*.] You received an allowance, I presume, when you were appointed to the Land Transport Corps?—Yes, I received 100 *l.*; but I was after that on half-pay, and this, with a family, was very hard upon me. My pay is so small, that I really cannot maintain a family and educate them, and meet all demands on my small income, and work well at my duty in a contented state of mind. I know that I am worthy of my hire, but from being kept on a low rate of pay, my zeal must become impaired, which might drive me into difficulties. I am always working with a sort of incubus upon me. I therefore consider it unjust to the interests of the army, unjust to the public, unjust to commanding officers, but above all, unjust to the individuals, that the pay and position of quartermasters are not commensurate with their duties and responsibilities. I receive now only 8 *s.* 6 *d.* a day, and I have been nearly seven years quartermaster.

153. You have served sufficiently long as a non-commissioned officer to become entitled to an increase of pay?—Yes.

123.

154. *President*.] Your original promotion from the ranks was to a cornetcy?—Yes.

155. Then you sought from the position of cornet to obtain the post of quartermaster?—Yes; I asked for employment from half-pay.

156. And I suppose the appointment was very preferable to half-pay, and, therefore, an advantage to you?—Decidedly so. It gave me employment. I was receiving previously only 3 *s.* 6 *d.* a day, and it relieved me from what I suffered on account of lodgings, but the small pay as quartermaster was taxed.

157. Would you not have sought an appointment as quartermaster if you had still remained a non-commissioned officer?—No. If I was a non-commissioned officer to-morrow, I would not accept it. I would seek promotion most assuredly to commissioned rank, but I would prefer any other commission to that of quartermaster.

158. If the appointment of quartermaster is so much to be complained of, how is it that it is eagerly sought for by non-commissioned officers; and there are no people more capable of judging or more far-seeing than that class?—There is a laudable ambition felt by non-commissioned officers always to progress, but they find, after they have once entered upon the appointment, what they had no idea of before. My present quartermaster-sergeant told me after he had been appointed, that he had previously not the slightest idea of what the troubles of my office were until he had entered upon his own duties. If the quartermastership is a good appointment, how is it that it is not sought for by civilians in the same way as the post of paymaster?

159. Does it not appear to be a little inconsistent that non-commissioned officers should first eagerly seek for the appointment, and then the moment they obtain it, should begin to complain?—I do not know that there is any evidence that they seek for the appointment; I think it arises more from ambition as the senior non-commissioned officer, because the appointment is given to the senior non-commissioned officer of the regiment as a service promotion.

160. Do you not consider that it has always been viewed, not as an appointment which is to lead to gradual promotion, but as a reward for previous good conduct and meritorious service in the ranks?—That is just where the point is; it falls short of being a reward, for previous services, because it is not an adequate reward for present services.

161. The quartermasters appear to take that view of it, but originally it was not regarded in that light?—Take a non-commissioned officer of 21 years' service, that man can go on his 2 *s.* 6 *d.* a day pension, but he is induced to accept the appointment of quartermaster; he does not receive 6 *s.* 6 *d.* on appointment; he could have gone away and taken his 2 *s.* 6 *d.* a day with him, and then have turned his attention to other pursuits; he only gets 4 *s.* a day; but I say he does not get 4 *s.* a day, as not only the 4 *s.* but his 2 *s.* 6 *d.* is taxed with contributions and subscriptions; but he must then clothe himself, furnish proper quarters for his family, and maintain himself and them in the appearance of respectability in every particular.

162. With regard to your position in the regiment as an officer, do you find that the contribution which you have to make to the mess is a tax upon you, and one that you think the quartermasters would rather be exempt from or not?—I

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do not think that any ambitious officer would like to forego his relative position in a regiment. I have known two quartermasters, but they were men with large families—seven or eight children—who asked the commanding officer to exempt them from the band and mess subscriptions.

163. Major *Marvin.*] They desired to be exempt from the annual subscription to the mess?—Yes; and also that on appointment.

164. *President.*] Are you a single man?—No; I have four children.

165. What is your own feeling upon the subject, if it were optional with you to contribute or not?—My feeling is this: I should be ambitious, and should like, as a relative officer in the regiment, to contribute to everything, otherwise I should be like a slung stone; that is, a person taken from one grade of society which I could no more enter; and then, if I voluntarily withdraw myself from the other, I should be suspended between the two, and should be isolated.

166. Colonel *Munro.*] You would rather be a member of the mess than not?—Yes; I have been told by a cavalry officer, that although the privilege is not withheld from the quartermaster to be a member of the mess, still the colonel exercises his right to dispense with the contribution.

167. *President.*] Is there anything you wish to add as to any improvement that you think ought to be made in your position?—As to responsibilities, I do not believe there is a commanding officer, or very few, in the service who will not admit the responsibilities of the quartermaster, and from the amount of work that I transact daily with my commanding officer, and the amount of papers which he sees, I have to prepare for him to sign connected with supplies, I say it without ambition, that I feel my commanding officer looks to me as his greatest aid in the regiment. The paymaster, on the other hand, is a more independent man; he is responsible to the War Office in his own person. He has a simple duty to perform, one account, that of cash.

168. When will you become entitled to retire upon 10 s. a day?—I should have to serve 20 years from the date of my commission. I was commissioned in 1858 as a quartermaster. I was 10 years in the service before I was commissioned as a cornet in 1856, and I was one year on half-pay; that will make it 20 years that I must serve as a commissioned officer.

169. Major *Marvin.*] Not as part of the quartermaster's service. Your service as cornet will count as part of the 30 years' service?—Yes.

170. When did you first join the service?—In 1846. It will be in 1877, 13 years hence, that the 30 years will be completed. I lost a year, on half-pay. With regard to the amount of pay, I wish to make this remark, that the difference between me and the paymaster is this, that he gives sureties for the proper discharge of his duties, and of course he is entitled to greater consideration in that point of view, being more directly responsible. I look upon myself as something like two persons in one, for I am first responsible for all the stores, being the custodian of them, and if I am not come-at-able for any deficiency it would fall on the commanding officer; but not so with the paymaster, because it would devolve upon his sureties, and in that case I may be rated a little below the paymaster; but only in that case; in every other sense I am a more responsible officer, and I share his responsibility.

171. I suppose, as a rule, the paymaster pays about 20 l. a year for his guarantees?—Yes; but he receives 12 s. 6 d. a day on appointment.

172. *President.*] Would you wish to have to find sureties?—Yes; I would give security for the proper discharge of my duty. I think that the quartermasters cannot exist, if they are to bring up their families as they would wish to do. Unfortunately nearly all of them have large families, and they are generally staff-sergeants (to whom the regulations hold out inducements to marry), before they receive the appointment of quartermaster. As a man progresses in life he becomes ambitious, and more particularly does he become ambitious for the sake of his family. In the position of quartermaster he must pay more attention to his own appearance, the appearance of his wife, and the appearance of his children, and he cannot do it with his present pay, he becomes dissipated, and feels that he is working uphill, and he may have to serve for a long period on low rates of pay. There are many quartermasters who are driven into difficulties in this way, and when there has been a defaulting quartermaster, or a man has done anything that was improper, it has been through the inadequacy of his pay.

[The Witness withdrew.

Quartermaster WILLIAM WATSON (7th Depôt Battalion), examined.

Quarter-
master
W. Watson.

173. *President.*] THE Committee have read a great number of printed papers which have been very ably got up by Mr. Haden, Mr. Cole, and others, but as an old quartermaster, well acquainted with the subject, we are desirous of putting a few questions to you; have you read the papers?—No, but I know the purport of them; I have had charge of a depôt battalion.

174. Will you be good enough to state whether you agree with what is contained in the papers, or whether you have any new remedy to suggest?—I quite agree with the statements; and with regard to the remedy, I am of opinion that the quartermasters should, in every respect, be on the same footing as the paymasters.

175. Is there any new feature that, as quartermaster of a depôt battalion, you wish to men-

tion?—No; I think that what would apply to a regimental quartermaster would also apply to the other.

176. Major *Marvin.*] Have you the assistance of a clerk?—Yes.

177. That is if you are 1,000 strong?—If we have eight depôts then there is a clerk allowed.

178. *President.*] Then do you confirm what has been already stated?—Yes. I may add that we have a great deal more work to do in a depôt battalion than they can possibly have in a regiment, but we have not the same moving about.

179. There is no new feature that you wish to bring to our notice?—No, I cannot think of anything.

[The Witness withdrew.

Adjourned till to-morrow at 12 to-morrow.

Wednesday, 30th November 1864.

PRESENT :

Major General H. Eyre, President.
 Captain D. Galton.
 Colonel Sir Thomas Troubridge, C.B.
 Colonel W. Munro, C.B., 39th Regiment.

Commissary General in Chief W. J. T.
 Power, C.B.
 Major W. Marvin.

Quartermaster TIMOTHY MORRIS (5th Depot Battalion), examined.

180. *President.*] THE Committee have had laid before them all the printed statements, with which I daresay you are well acquainted. I, and I believe most of the members of the Committee, have read them very attentively, and in addition to that Mr. Haden, who is very intimately acquainted with the state of the case, has been examined at very considerable length as representing the quartermasters generally. Mr. Cole and Mr. Watson have also been examined, and if you have anything to suggest to the Committee in the way of remedy for what is complained of, they will be glad to hear it?—With regard to the remedy, I have simply heard of it being with reference to pay and retiring allowances. My views, and I believe I speak the sentiments of the majority, if not the entire class, of quartermasters in the army, are, that a quartermaster should be put, with reference to his pay and allowances while serving, and upon retiring, in the same position as a paymaster. If the Committee will allow me, I will in a very few words explain to them the reasons why. As I understand the Committee have now before them the documents which emanated from Mr. Haden and from Mr. Cole, I beg to say I fully agree with what they state in those documents with respect to the duties and responsibilities of the quartermaster. I, as an old quartermaster, am quite prepared to concur in every word they have said, and in fact I would go rather further. I have had great experience in the department, both at home, in the colonies, and in the field, and I can say that they have not at all over-estimated the duties and responsibilities of the quartermaster. Not only early in the day but late at night the quartermaster has these very heavy, laborious, and onerous duties to perform. His duties are responsible, for he is the storekeeper of a vast amount of Government stores, and if he performs those duties in a satisfactory manner, I say, without at all attempting to undervalue the services of the paymaster, that the quartermaster as a public servant is equally as valuable to the State as the paymaster, and ought to be remunerated in the same way. I do not wish to undervalue the services of the paymaster, for I am perfectly cognizant of his duties both from my length of service in the army and my standing as an officer. I consider that my services are equally valuable to the country, and know that a larger amount of public property passes through my hands during a year than the paymaster has money through his; the articles to which I refer are received in bulk and issued in detail, from the 1st January to the 31st December.

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181. Do you mean by supporting the claim which has been made, that the duties of quartermaster have increased materially since the time when you first entered the service?—I was just coming to that point. I do mean to say that they have increased very considerably of late years.

182. When you accepted the appointment, I presume you were content with the duties and the pay?—I cannot say that I was. I do not admit that. I admit this, that I was glad to get the appointment. I do not mean to say that I had a certain amount of zeal, and wished to get on in the service and in the world, and with that view I took the appointment when it was offered, but had I not taken it I should now have been a lieutenant-colonel.

183. Still it is to be presumed that as the quartermasters are found to be coming forward now and urging their claims, they are founded on some additional duties which have been imposed upon them of late, for which they think there should be ample pay provided?—Additional duties have without doubt been imposed upon the quartermasters, and I will show the Committee what they are. Take, for example, the various extra articles that are now issued to the soldier in various ways, with the view of bettering his condition. Every member of this Committee knows the number of extra things that are issued to them, and how their condition has been improved in barracks, in the camp, and in the field, by the issue of these things, all of which go through the quartermaster, and although the commanding officer has to sign the receipts from the Government, to whom do those things go? To the quartermaster; he takes them in bulk, and is responsible for them, and if any losses accrue, who is responsible for them? He is certainly.

184. Have you ever been called upon to make good losses of any kind?—I have not been called upon, because I have not waited for that to be done when I have found myself deficient. Perhaps 10,000 articles would pass through my hands in detail in the year.

185. To what amount have you been a loser?—Various amounts from time to time. The articles which I have unavoidably lost have disappeared, and without calling upon the Government, or the commanding officer, to make good those losses, I have considered it my duty to do it myself. I could not account for them. I knew they were deficient, and I knew I had to pay for them. As I have before stated, these extra duties which have been cast upon the quartermaster of

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course entail additional loss, or, at all events, additional responsibility and liability to loss. On these grounds, as well as upon the ground that I, as quartermaster, perform duties equally as serviceable, more onerous, and more difficult than the paymaster, I say I think I am equally as valuable to the public as the paymaster.

186. Your view is that the quartermaster should be put on the same footing as the paymaster?—Yes, certainly. Now, with reference to the stores, I have no less than 20,000 different articles in my possession, as storekeeper of the battalion, at this moment, and is it possible that those articles can be received and issued without great responsibility, and without being subject to loss and an immense amount of labour.

187. Are the Committee to understand, that in drawing a comparison between the duties of the paymaster and the quartermaster, and stating that your duties are equal to those of the paymaster, you mean to convey that any of the duties which you perform ought to be discharged by the paymaster?—There is the cash account, which the quartermaster keeps, and I think that, taking a mercantile view of it, the quartermasters should not have anything to do with it.

188. When you speak of cash accounts, do you allude to one particular transaction, or to cash accounts in general?—Cash accounts in general, in connection with Government stores.

189. Do you consider that everything in the way of cash payments to tradesmen, and outgoings of every kind, should be attended to by the paymaster?—I do.

190. Sir T. Troubridge.] Were you quartermaster before the present system of clothing was introduced?—Yes.

191. Were you in the habit of receiving from the colonel any distinct allowance? one witness has been called, who stated that it was an acknowledged thing in the service, and that it had been sanctioned?—I did not; but I believe that my predecessor in the post did. I only speak from report.

192. Do you know the amount that he received?—I do not.

193. Com. General Power.] Did you not happen to hear it estimated?—Yes, I have heard it estimated. In the cavalry regiments I know it was very general. I understood that the quartermaster was allowed 100 l. a year. I believe many colonels of cavalry regiments made the allowance, and I have it from quartermasters themselves, that they received years ago 100 l. a year. It is possible that they might have had to pay for some repairs out of the allowance. I am also aware that in many infantry regiments it was the custom for the colonels to allow their quartermasters something, and I have heard it estimated at from 25 l. to 100 l. a year.

194. Colonel Munro.] In infantry regiments do you mean?—Yes; I believe that my predecessor in the 30th regiment had some allowance of that description.

195. Major Marvin.] Is he living now?—No; he has been dead some years.

196. President.] Those are two forms (*handing the same to the Witness*) with which no doubt you are well acquainted; are they two specimens of what you consider you ought not to have the responsibility and trouble of attending to?—Yes; not that I individually make any complaint of the responsibility, because I am so well accustomed to it. Having been at it many years, it is

a matter of A B C to me. They amount to some 200 l. or 300 l. a year.

197. I mean the amount of trouble connected with them?—There is a great deal of trouble connected with them.

198. Com. General Power.] Do you consider that (*handing a form to the Witness*) a part of the quartermaster's duty?—Yes.

199. President.] We quite understand, I think, that your idea is that the quartermasters ought to be placed on the same footing as the paymasters as to advantages and pay?—Yes, decidedly; I am no candidate for honorary rank, except for the advantages it brings with it.

200. Major Marvin.] Relative rank would satisfy you as well as honorary rank?—That which carries with it the usual advantages. On this subject I will hand in a paper (*handing in the same—vide Appendix G.*) to show my disbursements in the last year, which were very small as compared with former years, inasmuch as the battalion was very weak, and the amounts were very small. You will observe the number of items that there are at the bottom, and the number of vouchers connected with that payment, but the sum is not large. There are 186 vouchers for 6 d., 8 d., and 1 s., and so on. I wish to make a few observations. I did not come here to advocate my own personal and individual claims, but with reference to the position that the quartermasters hold. Of course it will be in the recollection of the Committee that the quartermaster is the only person in the regiment, or in the army, who is debarred from promotion. I hardly need say that officers like myself, who have risen from the ranks, attain sometimes very high rank in the army. I could instance some of my own personal friends.

201. President.] But they have taken from the beginning quite another line?—That is true.

202. We well know the value of quartermasters, and what a very important and distinguished body they are, as they have all seen great service. But when you entered the service, was it not well understood that the appointment of quartermaster was in fact a reward for good conduct and distinguished service in the ranks as non-commissioned officers, and was never looked upon as an appointment that carried with it progressive promotion, and is it not because new duties have been imposed upon the quartermasters that therefore you think their position ought to be changed?—I admit all that you say, general. That is exactly the case.

203. My motive for putting the question is to ascertain whether this claim is being urged now in consequence of new duties having been imposed upon you, or because you are doing more work than you undertook to do at starting?—I admit that the commission was given to deserving non-commissioned officers as a reward for *past* services; but what has a quartermaster to look to for the *future*—is he, because he gets a reward for past services, to remain so for ever? We think quartermasters should receive progressive rank and pay as all others do.

204. But that is a different position altogether; the post of quartermaster is not supposed to carry with it combatant advantages?—No; but excuse me for saying that it is only by making reference to other men who have sprung from the same class, although in a different line, that one can point out and impress upon others that

we

we are labouring under disadvantages which other men of our class are not subject to.

205. The others are all in a certain groove in which they work on, and they succeed step by step, but this is a distinct thing?—Exactly so; but I ask why should the quartermasters remain in the same position, although it was the custom in days gone by? We think the time has come for a change.

206. You will remember that an ensign begins with less pay than a quartermaster receives?—Yes, but permit me to ask what are the ensign's duties and responsibilities? It is true that in former days a quartermastership was very much sought after.

207. And so it is now?—I daresay it is so, for I have no doubt that a very aspiring young man, as a non-commissioned officer, may wish to advance himself in the world, and he may imagine that the condition of the class would be improved, and I think it will be admitted that that is a proper and honest zeal by which he is influenced. I see the drift of the questions which have been put to me, which I think is this—have we a greater responsibility, or are our duties increased? I say that we have very much so, and not only have we more stores passing through our hands, but there are multifarious documents that we have to render to the War Office which we had not when I entered the army as a quartermaster. I scarcely ever then sent a return even to the clothier, but now it is done daily and constantly. I do not mean to say that the War Office calls for one return more than is necessary, but the system of giving increased comfort to the soldier, and the increase of the articles which he receives, entail increased duties upon the quartermaster, and upon him principally.

208. Referring to the multifarious returns which you have mentioned, can you suggest any which, in your opinion, could be dispensed with in order to save trouble, because the War Department must wish to save work if they can. Are there any forms that you think, as an experienced man, might be dispensed with or consolidated; or if you are not quite prepared to give an answer to that at once, and if you or any of the quartermasters in the course of a day or two should think of anything, you can communicate your views to the Committee?—I should not like to hazard an opinion upon the point at the present moment, but I think it is possible that some may be dispensed with. I should not like to put myself forward as the person to propose it. The Committee are well aware that returns are all rendered to the War Office in duplicate, and some in triplicate even. Letters that are written to the War Office regarding clothing go in duplicate, and these are details of great labour, and have all been brought on of late years. There is a vast deal more to do now than there was eight or ten years ago, and the labour is increasing daily. Every member of this Committee knows that the comforts of the soldier are very much considered by the Government and the country, and that he is in receipt of greater advantages, in the shape of extra articles of clothing, fuel, and barrack accommodation, and all these things entail extra duty upon the quartermaster; I may say that the extra clothing alone has done so.

209. Colonel *Munro*.] When speaking of the extra clothing allowed to the soldier, you refer,

I presume, to the serge trowsers and the boots?—Yes.

210. Has not the soldier to supply himself with certain necessities?—Yes, he has to supply himself with them.

211. Through the quartermaster's stores?—Yes, or the captains of companies; in my experience they were very often supplied by captains.

212. *President*.] Do you consider that the duties which you have to perform ought to be or could be as well performed by the captains of companies?—I do not consider so, as a rule. I think the quartermaster, from his position in the army, and his experience as an officer and non-commissioned officer, is the person who can perform those duties best and most satisfactorily.

213. You do not consider that you are doing any duties which belong to the captains of companies?—No, I do not, neither do I complain so much of the amount of work. I do not say that the work has been more than I can do, but what I complain of is, that I am not remunerated for the amount of work that I perform, as compared with the other staff and non-combatant officer in the regiment or battalion.

214. *Captain Galton*.] Who is that?—The paymaster.

215. He has a larger cash responsibility, has he not?—Yes, and I have a larger Government store responsibility. I say that in my position as storekeeper I have a larger amount of stores, and the money value of them is greater than the amount of cash that passes through the hands of the paymaster in the course of a year, and therefore my responsibilities are greater, while my labour is a vast deal more, as every commanding officer of a regiment can testify who goes into these matters.

216. If the paymaster was not in so much better a position than the quartermaster, you would not, I suppose, think that you had so great a claim?—I should not then have him to refer to by way of comparison, nor be able to say that there is an officer in the same regiment who has no more responsibility, has an infinitely less amount of duty to perform, and yet is infinitely better paid and rewarded. I take him for comparison, because he is the only non-combatant officer except myself.

217. Should you not be contented unless you were placed on the same level as the paymaster?—Certainly not. I consider that the duties which I render to the country are equally as responsible, and much more laborious, and require a great deal more mental and physical capacity. I therefore think that I ought to be rewarded equally as well as that officer, but I do not underrate his position.

218. Were allowances ever made under the old system of supply (speaking of necessities and clothing), by tradesmen to the quartermasters which they have lost under the new system?—From what I have heard, I have no doubt that there were.

219. Have you ever heard any amount mentioned which the quartermasters used to receive under that system?—No; I cannot put it into money value. I have one more observation to make if the Committee will allow me. I do not come here to advocate my own personal claims, but to advocate the cause of the whole body of quartermasters. I wish, however, to hand in, if you please, a statement of my services, unless it

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is given in the table which has been already handed in. I am, perhaps, the only officer in the army—in fact, I know I am—who obtained my present rank seven years before I went to the Crimea. I served in the East during the whole time the army was there, and I still hold the same rank upon full pay. There is not another officer who is in the same position, and I think the Committee will agree with me that this system of non-promotion is calculated to damp the zeal of the class, and ultimately prove injurious to the interest of the service.

220. Your pay has been increased?—Yes; but I give this as an illustration of my position. Why should the quartermaster be the only officer in the army who should not have some progressive rank?

221. You accepted the appointment of quartermaster, and you knew what the appointment was when you accepted it. I presume you can retire now, if you please?—But I have given what I have stated as an illustration that we are the only class whose condition has not been improved. Paymasters get rank as well as increased pay.

222. The position of a quartermaster has always been a well-defined position; you knew what it was when you accepted the appointment; you knew that it was not one which was accompanied with any further advancement in rank, and therefore I do not see how it is to be brought forward as a case of hardship?—I do not admit quite what you say. I do not admit that, because 200 years ago the position of quartermaster was defined in the way you have described it, that therefore the quartermaster is not to progress now in the same way as other people do.

223. What other class was formerly to be compared with that of the quartermasters as to its being a final position; what corresponding class has obtained an improved position since?—Many. Since I was appointed quartermaster other classes have sprung up, and they have had increased advantages.

224. You mean new classes?—Yes; the commissariat class was, I believe, then in existence, but still what was it; it was dormant—and the purveyor's department—but the commissariat has been put upon a better footing, and so has the purveyor's.

225. The commissariat department has been to that extent a relief to the quartermasters, has it not?—No, I do not admit that. Commissary General Power, who was in the Crimea, knows the value of the quartermasters; he knows the onerous nature of the duties which the quartermasters have to perform; he also knows well how much the comfort of a regiment rests with the quartermaster, and the great labour that he has to perform in the field.

226. I was asking you whether the employment of commissariat officers to prepare and give out the provisions, instead of the contractors, was not, to some extent, a relief to the quartermasters?—No, certainly not. It has very much increased it. I may mention that in the Colonies there are a great number of returns and estimates to be prepared, which, no doubt, are quite necessary for the proper discharge of the duties of the commissariat, but still there is a great deal of labour thrown upon the quartermaster in preparing these documents, and receiving and issuing the stores, and it is not as simple as it was when things were supplied by contractors.

227. Com. General Power.] The contractors

performed many of the duties which are now required from the commissariat officers and the quartermasters?—Yes. With reference to the question put to me just now, as to whether the duties now being performed by the commissariat do not relieve the quartermasters, I say most decidedly not, for it has increased his duties to a large extent, and the more the commissariat department is extended, the greater is the amount of labour attached to the quartermaster, and to the quartermaster only.

228. Major Marvin.] There is no other regimental staff appointment which progresses in rank, except that of adjutant, in the regiment?—The paymaster.

229. That is relative rank?—Yes, and honorary rank.

230. That is what you seek for, is it not?—Yes. Then I come back to the remark which one of the Committee made, that the appointment of paymaster was not progressive until the last few years.

231. He got increased pay?—Yes.

232. His rank was not raised beyond that of captain?—No; but now his position has been very much bettered, and he receives progressive honorary rank and allowances.

233. He did not get the first increase till after ten years' service?—No.

234. He now gets it after five years' service?—Yes.

235. President.] I know that I am addressing one of the most experienced quartermasters in the army, and very well conversant with the whole subject. I have myself seen a great deal of quartermasters. I have visited them and have witnessed their mode of living, and I have never seen anything but thorough comfort. I was, therefore, surprised at hearing it stated that the families of quartermasters rarely partake of meat oftener than once a week. I am, therefore, desirous of hearing from you whether you entertain the same opinion of the position of the quartermasters?—In the question which you have put to me you were kind enough to mention that you had had an opportunity of observing the manner in which quartermasters live, but I would venture to say that you saw only the outside of the quartermaster's style of living. You did not, I presume, sit at his table, and therefore had not an opportunity of knowing how he lived privately. You might have seen outwardly that appearances were comfortable, as every respectable man should aim at; for although the quartermaster's position is one perhaps of great labour and small means, I think he ought to do the best he can to keep up the credit of himself and his family, as well as of the regiment, by endeavouring to keep his family as respectable and as comfortable as he can. But, to do that, I can assure you, and I speak from great experience, that he is subject to very great trials, and he has to live in a very plain manner.

236. Of course, a man with a large family cannot be so well off as a man with a wife and only one child; but, upon the whole, do you consider that what I have put to you in my previous question represents the true position of the quartermasters?—Yes, I can understand it thoroughly.

237. But if that state of things occurs, it must be under peculiar circumstances, must it not?—Many quartermasters, when they are raised to that position, are married men with large families

lies—two, three, four, or half a dozen children; and if they belong to a regiment are constantly moving about backwards and forwards, hither and thither, perhaps to the colonies, and all this time are subject to very heavy expenses in moving their families. On the small pay of 6s. 6d. a day how is it possible that they can move their families about, keep them properly clothed, and educate their children, without depriving themselves not only of comforts, but of the necessities of life?

238. You think, then, that such a state of things as I have referred to may happen?—Yes; I can readily understand it. I speak from experience, but I think the case described by you is an extreme one.

239. May not the same thing happen in the family of any poor officer who has nothing but his pay to live upon?—Very few poor officers are married men when they are in the junior grades.

240. I have known some married ensigns with families?—Yes, and I have known some too; but I have known them to be exceedingly badly off.

241. Captain *Galton*.] If this is the position of the quartermaster, why is the appointment so much sought after by married sergeants?—From the very natural ambition, which, I imagine, many non-commissioned officers feel, in wishing to become an officer. Why does every ensign wish to become a colonel?

242. In that case he would receive larger emoluments—larger pay—and the quartermaster does get that to some extent?—I do not mean to say that the quartermaster is worse off, as quartermaster, than he would have been as a private soldier or a sergeant.

243. Would these men, who it is stated are obliged to live in this very hard manner as quartermasters, be, if they were in the position of sergeants, better off?—I do not say that; I merely say that I can understand their being in the position which has been described, and I speak from experience upon that point; but I beg to observe that the sergeant is not in the position that the officer is, as the latter is subject to very great expenses which the sergeant is exempt from; the sergeant has no clothing to provide in the colonies, or when moving or about, on board ship. Rations are issued for his wife and family by the public, and he has no provisions to provide; but the quartermaster loses his clothing—not his barrack accommodation—although the chances are he cannot live in it.

244. As far as the clothing is concerned, he receives, does he not, a very liberal allowance for the first outfit?—Yes, to start him with, quite sufficient; but of course that does not last for ever; a sergeant has his clothing, his rations for his family free, and not only his barrack-room but his barrack bedding, which the quartermaster has not. The quartermaster is promoted perhaps from sergeant-major, and there are very few of that class who are not provided with, if possible, two rooms. What does the quartermaster get? I grant that he receives great kindness from his commanding officer, and if there is a spare room he generally gets it; but it often happens that there is not a spare room. And how is it possible that a man in the position of an officer, with two or three children, can live in one small room, he is put to the expense of lodgings, and these things cripple his pay and

reduce him to the state which the General has described.

245. *President*.] Have you ever seen yourself, the same state of things?—It is within my knowledge that it is so; not quite so extreme a case as you have described, and I know that a quartermaster is subject to very great expenses and liable to very great losses. I can readily understand that many quartermasters have been in the position you have described.

246. Without any fault of their own?—Yes; from nothing more than the ordinary exigencies of the service.

247. I have known a case of this kind, that from the extravagance of the father the family has been very badly off, and amongst quartermasters the same thing may happen here and there, but it certainly surprised me to hear that this condition of things was at all general among quartermasters?—You may take it I think for granted that many of them with large families are often in very straitened circumstances, while at the same time they are trying, for their own respectability, bearing in mind the responsibilities of their position, to make as good an outward show as possible. I suppose it is natural for every person to do so.

248. Colonel *Munro*.] Has it ever come within your own knowledge that any quartermaster and his family have been in the habit of partaking of meat only once a week?—I cannot say that it has; but I have known cases in which quartermasters have not had meat on their table every day, or more often than twice or thrice a week; I will not say that they have only had it for one day.

249. Of course that was at home?—Yes.

250. *President*.] The point to which I wish now to call your attention must be purely a regimental oversight. "Notwithstanding that on the quartermaster devolves the duty of carrying out the instructions contained in all Royal Warrants and War Office Circulars, relative to these matters, he is the only staff officer who, as a rule, is not supplied with copies of those instructions." Surely, as a rule, they would be sent round by the commanding officer; they perhaps may not be able to keep the printed copy that is sent, for the colonel only gets one?—I get a copy of that, but very frequently circulars come from the War Office and the Horse Guards, the carrying out of which entirely rests with the quartermaster, under the commanding officer, and the quartermaster does not get a printed copy of that circular. I am now the quartermaster of a dépôt battalion, and everything connected with the arms and accoutrements, clothing, and necessities, and the carrying out of the circulars, is of course thrown upon the quartermaster. In the battalion in which I am now serving, generally seven copies come from the War Office, that is, one to each officer commanding the dépôt, who has nothing to do with it, and one to the commanding officer, but the quartermaster, who has all the work to do, gets none. My commanding officer, seeing the necessity for it, and knowing how desirable it is that the quartermaster should have a printed copy, frequently applies for them, and sometimes they have been supplied, but at other times they have not.

[The Witness withdrew.]

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251. *President.*] WERE you appointed as quartermaster from non-commissioned rank to the Military Train?—No; I was promoted from the 21st Fusiliers. I was then quartermaster-sergeant. I went into the Land Transport Corps in the first instance as quartermaster, and on the re-organisation of the corps, which is now called the Military Train, I was brought in.

252. You know what the position of a quartermaster is both in the infantry and in the cavalry?—Perfectly. I know what it is both in the infantry and in the Military Train.

253. You are aware, I dare say, that the statements of Mr. Haden and Mr. Cole have been laid before this Committee, both of whom have also been examined?—Yes; I have seen the whole of those papers.

254. The Committee have made themselves fully acquainted with the case of the quartermasters, and they are desirous of knowing whether you acquiesce in the claims that are made for further remuneration and improved position, and also the grounds on which those claims are urged? Yes. I perfectly agree with everything that has been put forward.

255. Would you like to add anything to what has been already stated, or to alter anything?—There is only one difference that I would wish to point out in the statement or pamphlet which has been prepared. In the schemes therein laid down for improving the position of the quartermaster, I think that we have rather underrated our own services in proposing a scale lower than that of the paymasters, considering that our responsibilities are far greater, and our duties more onerous and incessant. I have sometimes to sit up at night in my own quarters to bring up my clerical work; and for this reason, as well as what I have already stated, I think it is but fair that we should be put at least on the same footing. I question very much whether any regimental paymaster is compelled to perform any portion of his duties in his quarters at night. I have been nine years a quartermaster, and I must say that I feel very much dissatisfied with my lot.

256. Have you entered the army in comparatively recent times?—I have been a quartermaster for nine years.

257. Do you, on the part of the quartermasters, urge this claim for improvement on the ground that your duties have been increased since you first accepted the appointment?—Yes.

258. And therefore you think that your position should be improved?—Yes, because our duties have materially increased, and are daily increasing.

259. Then it is upon the ground of the increased work which has been imposed upon you, and which you did not bargain for when you first accepted the appointment?—Yes; I had no idea that the duties would have amounted to what they have done.

260. *Com.-General Power.*] In addition to the increased work have decreased emoluments formed part of the reasons which have led to the representations now made by the quartermasters?—Fortunately for me, after the Crimean war, I was sent out to India on service, and there the quartermaster's pay is so much better; if it had not been for that I should certainly have been in difficulties now with a family of six

children. As for emoluments I have nothing to say about them.

261. *President.*] Was it not the custom for a quartermaster to receive from the colonel of a regiment, under the old system, a certain amount per annum?—Yes, there was I believe an allowance made. I did not receive it, because I did not serve under the old system; but I know that there is a circular in existence in which it is laid down that a quartermaster is to be paid so much by his colonel.

262. That is in the cavalry, is it not?—Yes.

263. *Captain Galton.*] Did the quartermaster receive anything from the tradesmen who supplied the regimental necessaries?—Yes; I believe that under the old system the tradesmen, in consideration of the great amount of trouble the quartermaster had in keeping his stores in good order and free from damage, did meet our losses; for instance, I lost a lot of necessaries, not perhaps very much, but the value of them was about 30s., after coming from India. There had been no sale for these necessaries abroad, and on our arrival at Gravesend the packages were opened by the custom-house officers. In the meantime I was obliged to precede my battalion to take over quarters, and when the baggage arrived I found the packages open and a deficiency in necessaries to the extent already stated. I therefore represented the circumstance to the contractors, who made good the loss. If that were to happen now I should have to put my hand into my pocket and pay for them.

264. They made no allowance, did they, in consideration of the trouble that you had had as to the necessaries?—Not to me.

265. Have you ever heard of that being done?—I cannot say whether any allowances have been made to other quartermasters. I have been five years at home now, and the new system of supplying free kits and necessaries from the Government stores has been in operation nearly all that time.

266. You stated, I think, that you had been a quartermaster-sergeant before you were appointed a quartermaster?—Yes.

267. You had an opportunity then of making yourself acquainted with all the advantages of the quartermaster's position?—Yes, and I had an idea that it was a far better position than I afterwards found it to be.

268. *President.*] Have you not found it to be a better position than your former one?—No, certainly not, because I have now appearances to keep up, to pay mess expenses, to keep servants, to provide uniform, to furnish my quarters, &c.

269. Are you of opinion that the quartermasters would like to be relieved of their liability to mess, and band, and other officers' subscriptions?—No, I do not think they would. They have been taken from one position and put in another, and to remove them from the latter would make them neither the one thing nor the other. I prefer being allowed to mix amongst my brother officers, and I should feel some compunction in going to the mess if I did not contribute to the expenses.

270. You believe that the quartermasters, as a body, feel that?—Yes, I believe that the quartermasters, as a body, would prefer to pay their share

share towards the mess expenses; the instances in which they do not contribute are exceptional.

271. As a quartermaster-sergeant, were you tolerably comfortable in your position?—Yes, I was; but I had then only two children, and my wife was able to do many things she cannot do now.

272. Were you able to live tolerably well?—Yes.

273. I suppose you were never obliged to go without a bit of mutton?—No; I lived better then than I can do now; I and my children breakfast upon porridge every morning. We do so on the score of economy. I cannot afford to feed them on meat very often.

274. Not every day?—No.

275. Captain Galton.] Do they not eat meat every day?—No; they have it on the average about three times a week, at dinner; never in the morning or the evening.

276. President.] As quartermaster-sergeant you think you would not have been so restricted?—No, I do not think I would.

277. We are to understand that you adopt and confirm the statements contained in the papers laid before this Committee, and considering that your duties have been increased, as compared with what they used to be when you first began service as quartermaster, you think you ought to be remunerated accordingly?—Yes, those are my views; but there is one thing that I should wish to mention. I have to make cash payments, which I consider, properly speaking, is the paymaster's duty; I mean payments connected with the clothing contingent account.

278. That is a point which the Committee will consider?—I look upon my position as being more that of a storekeeper than a paymaster.

279. You consider that you perform many duties which are paymaster's duties?—Yes; undoubtedly I do.

280. You think that you ought to be relieved from everything connected with money, and that the paymaster should perform that duty?—Yes; I think it is more in his line. Then there is another circumstance I wish to mention. When I was promoted I had my choice of a cornetcy or a quartermastership. I was induced to accept the latter, not only because the pay of a regimental quartermaster in the late Land Transport Corps was 10*s.* 6*d.* a day, but (as I said before) because I had an idea the position was a better one. By way of contrast, I will quote an instance of an officer now serving with me in the Military Train, who was commissioned in the Land Transport Corps some few days after I was promoted quartermaster; he is now a captain, whereas I shall have to serve as quartermaster, with the relative rank of lieutenant, for 22 years. It will not be till then (when I shall have retired) that I shall be able to attain the rank of captain, when it will be of no use to me.

281. The officer to whom you have referred must have been very fortunate?—I can give six or seven other cases in which men promoted before me have been equally fortunate and in my own regiment—they are now captains also.

[The Witness withdrew.

[Adjourned till To-morrow, at 12 o'clock.

Quartermaster
T.
Greenway.
30 Nov.
1864.

Thursday, 1st December 1864.

PRESENT :

Major General H. Eyre, President.
Captain D. Galton.
Colonel Sir Thomas Troubridge, C.B.
Colonel W. Munro, C.B., 39th Regiment.

Commissary General in Chief W. J. T. Power,
C.B.
Major W. Marvin.

Major General DAVID RUSSELL, C.B. (commanding 3d Brigade at Aldershot); Examined.

282. President.] I ADDRESSED a note to you for the purpose of ascertaining whether, from your own experience and that of other commanding officers at Aldershot, it was your and their opinions that quartermasters have, at the present time, an undue amount of duty to perform, and whether any part of the duties thrown upon their shoulders ought to be discharged by the paymasters, or by any other officers?—I did not receive your note because I left Aldershot last night, and I have therefore had no opportunity of consulting with any commanding officers. I have myself only commanded a regiment in India, and since that time there have been many changes made with respect to the issue of rations, clothing, and necessaries, and the duties of quartermasters and paymasters have become much more complicated, as I understand.

283. The duties of quartermasters have become

more complicated?—Yes; they have now to receive monies, and to account for monies, which they formerly had not to do.

284. Do you think that they ought to have those duties to discharge?—No.

285. Do you think that they would be more properly performed by the paymaster?—I do.

286. Do you know enough of the position of the quartermasters now, which certainly is better than it used to be many years ago, as far as recognised advantages go, to be able to say whether they are in an embarrassed position, or that they are not so well paid as they should be?—That is my opinion.

287. I daresay that in your experience as a commanding officer, and in what you have seen of regiments as a general officer, it has sometimes happened that subaltern officers have been appointed to do the duty of quartermasters?—It is invariably

Major
General
D. Russell,
C.B.

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Major
General
D. Russell,
C. B.
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invariably the case in India in the absence of the quartermaster.

288. Have they readily accepted the appointment?—There was great competition for the appointment, as there was an extra allowance connected with it; the subalterns who were appointed to the post performed the duties very satisfactorily.

289. As to home service, what is your opinion?—I do not see why it should not answer in the home service; in fact, that a quartermaster, so that you do not take away the appointment from the ranks, should be made to pass through the regimental grades, the same as an adjutant or musketry instructor.

290. Major *Marvin.*] So that the quartermaster might in time become the commanding officer of the regiment?—Yes.

291. *President.*] Do you think that the quartermasters should be always exempt from cash responsibility?—Yes.

292. Do you know whether formerly, under the old system, quartermasters received from the colonels of their regiments a certain amount of reward?—I have only been in two regiments; in one of them it was perfectly well understood—that was in a cavalry regiment.

293. Sir *T. Troubridge.*] You know, as a fact, that in a cavalry regiment that was the custom?—It was always said so. He received it as the custodian of the colonel's property, which was very valuable.

294. Do you happen to recollect what the amount was?—I never heard the amount stated, but the regimental agents could inform you. Clothiers and tradesmen who supplied necessities could also tell the custom when they were in the habit of furnishing supplies, and the quartermaster acted as their storekeeper.

295. Captain *Galton.*] Would it, in your opinion, be advantageous for the service to increase the relative rank of the quartermasters?—I never thought that the relative rank mattered very much to the quartermasters, but since I ceased to command a regiment, there have been great changes in the matter of relative rank. For instance, the selection and position of civilian paymasters is a trial to old quartermasters. In my time that appointment was given to old officers; quartermasters occasionally succeeding to the paymastership.

296. *President.*] Did you see the Gazette of yesterday, in which a quartermaster is appointed paymaster?—I saw the Gazette, but I did not observe that. I know it is rarely done. The paymaster of my regiment died from sunstroke during the Indian mutiny, and the quar-

termaster was gazetted to succeed him, but when the Gazette reached the regiment he was also in the agonies of sunstroke, and expired an hour afterwards. Under these circumstances, application was made that an officer who had obtained his commission for gallantry in the field, and was well qualified, should succeed him. This was refused, and the colonel of the regiment, then adjutant general of the army, was given to understand that the previous appointment was to be regarded as an exceptional case, and had been made out of favour to him. The post of paymaster used to be kept for old officers, and the quartermasters did not then feel the relative rank so much when the paymasters were old officers, but now that young civilians are put into the post with no military experience, the old quartermasters feel a little sore.

297. Do you think that this was the case originally when non-commissioned officers were selected for quartermasters; was it not considered in those days as a sort of reward for their good conduct and distinguished services as non-commissioned officers, or was it then regarded as an appointment to be accompanied by progressive promotion?—No; it was always sought after in my time for the sake of the appointment itself.

298. In fact, it was looked upon very much as a reward for previous good character?—Yes.

299. Captain *Galton.*] You are of opinion that the present position of the paymasters creates discontent, and, therefore, if the quartermasters' position were improved in a similar way by relative rank, it might also have a tendency to create discontent?—No; I do not say that, but the new system of appointing young civilians paymasters, their increased rank and position, while some of the duties and pecuniary responsibilities have devolved upon quartermasters, have naturally drawn the thoughts of these latter to this subject of relative rank. A non-commissioned officer, appointed quartermaster, might, as I said before, pass through the subaltern grades, until, in his turn, he succeeded to his troop or company, when another man from the ranks might be selected for the situation of quartermaster. The quartermaster might purchase his promotion if he could, in which case the price of the lowest commission would come to be defrayed out of the funds from which I have known adjutants' commissions paid for. I have known quartermasters better up in drill and in all the interior economy of the corps, and the management of men, than some adjutants, and to whose opinion I have, during my command of a regiment, often deferred.

[The Witness withdrew.]

Quartermaster JOSEPH JOBBERUS (39th Foot); Examined.

Quarter-
master
J. Jobberus.
—

300. *President.*] We have requested you to attend as an experienced quartermaster to express your opinion and to answer a few questions upon the subject referred to this Committee. It entirely relates to the position of quartermasters, and to certain grievances of which some of them, or perhaps all of them, complain. A number of printed papers have been prepared by Mr. Haden, Mr. Cole, and others, which I presume you have seen?—I have seen them this morning for the first time, and I have read a few of them.

301. The Committee have made themselves

well acquainted with all that the papers contain, and witnesses, on the part of the quartermasters, have been examined, and will you be good enough now to state whether you entertain the same views upon the subject as the persons who have prepared these statments?—I do not think they are at all exaggerated. I think there is nothing contained in the statement which cannot be borne out by facts, that is, with reference to the duties and responsibilities of quartermasters. I quite think that they are not at all exaggerated.

302. Do you consider that those duties are greater

greater than you are capable of discharging, or than you ought to perform?—I do not see who could do them if we did not do them. I do not see any officer in the regiment who could perform the duties under present circumstances.

303. Some of the witnesses who have been examined have stated that many of the duties ought to be performed by the paymaster, because it was no part of the duty of the quartermaster to perform them. Is that your opinion?—The subjects mentioned in the paper handed to me, and which come under my notice first, are as to the clothing, and when I do the work, in selling these things, or issuing them, or paying the different charges, and filling up the forms, it will follow, as a matter of course, I consider, that there is nothing there that the paymaster could do, until I have done it for him first. After I have done the work in my books, copies to the paymaster follow as a matter of course.

304. You refer to making payments?—Yes; and that is the simplest transaction there is to carry out.

305. Is it not inconvenient?—It is a little inconvenient.

306. *Com.-General Power.*] Have you not to keep money in your possession, and thereby to run some risk?—Yes.

307. Would it not be sufficient if you were to send a bill for these charges to the paymaster, and let him receive the things, or pay the money, as the case might be, upon your certifying that the charges were correct?—I do not think that I should care for that system, because I like to do my work if I can; and when I have once made out these papers, and shown them to my colonel, I feel satisfied that they are right. I would rather pay for things myself connected with clothing, accoutrements, or arms, as the rule is laid down now.

308. You think it would save you nothing if you put your name to a paper certifying that it was a just demand, and then that it should be taken to the paymaster for payment?—I do not think it would.

309. *President.*] Is it no inconvenience to you to have to find the money?—It is so small in amount that I manage to find it in some way.

310. Supposing you had a family of six children to provide for, might it not then be an inconvenience?—I have only three now.

311. Your having to find the money affects you probably only to a slight extent, not materially?—No.

312. Does the same observation apply to the whole class of your duties, or is there any duty which you have to perform that you think the paymaster or any other officer should discharge?—No; I do not myself mind working. I work all day long, and I am still willing to do it if the remuneration was a little more.

313. You do not think that you are sufficiently paid for what you do?—No, really I do not. I have a rising family, and I know well that it is very hard to get on.

314. Have your duties become increased since you were first appointed quartermaster?—Yes, since I came home I have found a great difference. There is a great deal now to do. I very often work till 11 o'clock at night.

315. Are you contented with your position, or do you feel dissatisfied, and agree in the opinions expressed by the other quartermasters?—I wish to have the pay improved, and gradually to get

higher pay than 10s. a day, for if my family increases my expenses will increase with them. I shall want more to keep them upon. We want increased pay.

316. Is there any other grievance of which you have to complain?—Relative rank carries with it a certain claim to quarters, which I have never any difficulty about, and I hope I never shall in this regiment. The officers are very happy to give me everything that I want in that way, and every assistance; but the fact is, that the money I receive is very small for the work I do. I think that if I were in civil life, with the same responsibility upon my shoulders, and supposing that I was in charge of a store, I should be in the receipt of a better salary, and, therefore, be better off than I am as a quartermaster.

317. Do you not consider that your position as quartermaster is very much better than it was when you were a non-commissioned officer?—In a money point of view I do not think it is. When I was promoted I was a serjeant-major, receiving 15*l.* a year for distinguished conduct, and then my wife was a schoolmistress. My pay was nearly 5*s.* a day when I was appointed quartermaster, but we were happier then than we have ever been since. I was really very comfortable at that time, and so I am now. I do not complain, but in a money point of view I have really less money now than I had as a non-commissioned officer, that is to say, my money does not run so far, considering the clothing I have to provide, and the things I have to pay for for my wife and family. The position is altogether different, and the rate of pay is not increased in proportion to the change of circumstances.

318. With reference to your position, or the position of other quartermasters in the army, have you anything further to suggest?—No, I do not think there is. We perform a great many duties, but still those duties must be done in a regiment. I do not see at the present time that anyone else could do them but the quartermaster. I do not see that, as the rules are laid down, any other officer could do the duties.

319. Looking at the various duties which you are required to perform, are you of opinion that anything could be dispensed with with benefit to the service, and with the view also of relieving you?—There is a great deal to do at Aldershot in the quartermaster's department.

320. *Com.-General Power.*] Have the duties become greatly increased of late?—Yes, they have. My duty commences every morning at half-past six o'clock. Before I issue the rations at seven o'clock, I draw the ammunition, and the issuing of the rations at seven o'clock occupies me up to the time the men take their breakfast. I leave again at half-past eight for my office, and after I have prepared the returns for the orderly room I attend with them in order to get them signed by the colonel. Then from that until dinner time I issue necessaries, and attend to different duties.

321. *Captain Galton.*] You have to go and inspect all the barrack yards, to see that they are kept clean?—Yes; I generally do that in the morning after I issue the rations before breakfast. I go round then.

322. *Major Marvin.*] Do you go round again in the after part of the day when the place has been cleaned up?—Yes; I meet the camp quartermaster who comes round to inspect, and I generally go round with him.

323. *Captain*

Quartermaster
J. Jobberus.

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323. Captain *Galton*.] Have you many daily returns to prepare?—I have the daily ration returns to prepare.

324. Is that a troublesome duty?—No, it is not troublesome. We receive returns from the companies, and get the total number that is required for the Commissariat; we fill in the returns and take them to the Commissariat.

325. Have you ever suffered any loss from any deficiency in the necessaries?—No, I do not think I ever did.

326. *President*.] Great stress has been laid upon the liability of the quartermasters to loss; have you ever been called upon to make good any deficiencies in public stores, or have you ever suffered any loss?—I do not recollect; there was a trifle in Bermuda.

327. Have you ever heard of any quartermaster who has been subjected to loss?—Not that I am aware of, but I have not mixed much with quartermasters.

328. Some of the quartermasters have laid great stress upon another point, which is this: they say that they are excluded from the combatant list of officers; how would you like to be gazetted as an ensign and quartermaster, so as to give you a chance of arriving at a certain rank, say, at the head of the subalterns, and then giving you the option of vacating your position as quartermaster and taking your chance of promotion; or do you think that the quartermasters generally would like to begin with the rank of ensign, having the duties of quartermaster to perform, and going on, as I have described, with some additional staff pay?—That I think would come to the same thing as relative rank with our present position eventually.

329. Major *Marvin*.] No, it would place you in the same position as an adjutant, because if you took a company you would lose the quartermaster-ship?—I think I would rather remain in my present position, if my pay were to increase afterwards.

Quartermaster ARCHIBALD HALL (75th Foot); Examined.

Quarter-
master
A. Hall.

340. *President*.] You are of course aware of the subject which has been referred to this Committee for investigation?—Yes.

341. Many printed papers have been sent to the Committee by gentlemen in your class which they have read attentively; they have also heard their verbal statements; are you acquainted with those papers?—I have a general knowledge of them. I have seen some of them.

342. Do you agree with all that is stated in them?—I do.

343. Is there anything else that you desire to communicate to us?—No, nothing particularly.

344. Is there anything at all new that you would like to suggest?—No; I am quite satisfied with what is contained in the statements.

345. Do you agree with what is asked for and what is complained of?—Quite so.

346. Do you consider that your duties are too great?—No, I do not complain of work, but of insufficient pay for what I do.

347. Do you consider that you are required to perform any duties which ought to be performed by the paymaster, or by anybody else?—Unquestionably; for instance, at Aldershot we have to draw the working pay and to issue it, a sort of thing that is not in our department at all.

330. Subject to whatever conditions might exist at the time of arriving at the position?—Yes; I think that, as years roll on, my family expenses will increase.

331. Captain *Galton*.] What pay do you receive now?—6 s. 6 d. a day.

332. When shall you come into the receipt of 8 s. 6 d.?—After 15 years' service in both ranks; I shall become entitled to it next August.

333. Major *Marvin*.] At that time will you have been five years a quartermaster?—Yes.

334. Sir *T. Troubridge*.] I suppose you would rather have a higher rate of pay at first?—Yes, I think it would be better to have a little more pay at first.

335. *President*.] Do you not think that the appointment of quartermaster is very much coveted and sought for by non-commissioned officers?—It is always looked for as being a step from the position of senior non-commissioned officer.

336. Can you inform the Committee whether, under the old system in former days, the quartermasters received very commonly, if not universally, some allowance from the colonel?—I have no idea whatever about that.

337. The colonel was then nominally the supplier of necessaries?—Yes, but that was before my day.

338. Have you anything further to suggest to the Committee on the part of the quartermasters?—No; all that I should be most happy to get is a little more pay to assist me and my family.

339. Are your duties so onerous as to oblige you to sit up part of the night to get through them?—Yes, in exceptional cases, in order to prepare returns, but I never care what amount of work I do, as the colonel knows.

[The Witness withdrew.]

348. Com.-General *Power*.] Is that peculiar to your own regiment, or peculiar to Aldershot?—It is peculiar to Aldershot, and wherever Government works are done by the troops.

349. Colonel *Munro*.] Do you pay the 200 men who are employed under the engineers?—I do; I draw the money and pay it over to the colour-sergeants.

350. Com.-General *Power*.] From whom do you draw it?—From the military accountant.

351. Directly?—Yes, all the working pay. The quartermaster or his sergeant has to draw it; but, if I send the sergeant, I am responsible for it myself, and of course I do not conceive that I have anything to do with drawing this money at all.

352. *President*.] You mean I suppose that anything connected with money, or disbursements of whatever kind for the public service, should be attended to by the paymaster?—Yes; we have to pay money upon our contingent account. I do not particularly object to that, it being connected with my duties by the last clothing warrant.

353. There are certain forms which you have in any case to fill up, and you have to certify as to the pay?—Yes.

354. Do you consider that it would save you trouble

trouble if they were sent to the paymaster for payment, and that you had merely to make them out instead of paying them?—I do not object to payments connected with my accounts, but I wish to get credit for them.

355-6. *President.*] Do you make such payments out of your own pocket?—Of course, always, but I can get money from the paymaster.

357. Can you get it whenever you want it?—Yes, generally speaking, I can.

358. *Captain Galton.*] Do you draw all the money for working pay from the paymaster?—No; I think that that should not go through me at all; there is the paymaster for that purpose, and why should I have to certify and be responsible for what is clearly the duty of the paymaster, if such payments should be made by the regiment. I understood that General Pennefather said he would not change it, that he found it worked so well he would keep it; it is a local order.

359. Independently of the particular item which you have just mentioned, but which is rather a special case, do you consider that there are many or any duties which you perform, and which the paymaster should perform?—These, so far as money matters, are the paymaster's duties; still I do not so much object to them if I were properly paid.

360. *Colonel Munro.*] You do not pay men, I believe, who are employed by the Barrack Department?—Yes, if we have painters, or any persons employed, they are employed through the Engineer Department, and are paid by us; perhaps I may have only two or three to pay, or not that. Some weeks, when we have no fatigue parties, I have perhaps only one man employed; at the present time I pay from 20*l.* to 30*l.* and upwards per week.

361. *Major Marvin.*] Have you to pay the working pay of 4*d.* a day?—Yes, and at 9*d.* and 1*s.* a day.

362. The labourers' pay for working in the camps of instruction?—Yes. All those things are paid by the quartermaster, which I should suppose if paid by the regiment was the duty of the paymaster.

363. *President.*] You have already stated that you agree with all that is contained in the papers which have been laid before the Committee by Mr. Haden and others; are the Committee to understand that you are not satisfied with your position as quartermaster?—I am not satisfied with my position.

364. When were you appointed quartermaster?—Seven years ago.

365. Have the duties become increased since that time to such an extent as, in your opinion, to justify you in asking for higher pay?—The duties are increasing, and they are bringing upon us more responsibility. We are actually responsible for everything connected with our department, although the colonel is nominally so.

366. Is your position worse now than it was when you accepted the appointment?—Yes, and the work is increasing daily.

367. It is on that account, as I understand, that you complain?—No, not altogether; I do not think that the quartermaster has been well paid at any time.

368. Then, why did you accept the appointment?—Because no one wishes to refuse promotion. I should not like anyone, not having the same right, to get the appointment over me; but

I was much better off in my old position than I am now.

369. Would you have preferred to have been placed on the combatant list as ensign and quartermaster, and then to have advanced up the list of subalterns?—No; I do not care for rank, so far as the title goes. What I should like would be that I should have some claim, as a matter of right, for quarters, for I must always live in barracks. I cannot be out of them, and therefore I should like to have some decent accommodation provided, to which I have no claim now except on sufferance.

370. *Captain Galton.*] But in point of fact you do, generally speaking, get accommodation?—I may get a room.

371. Do you not get sufficient accommodation?—No.

372. *President.*] Have you ever had less accommodation provided for you, as quartermaster, than two rooms?—Yes.

373. Where?—In Beggars Bush Barracks I had only one room.

374. For how long did that continue?—Six months.

375. In other cases have you generally had two rooms?—Yes; I generally get two; but still if there are married officers and they choose to come into barracks they can turn me out, when I am the very one who ought to be in barracks, and, in point of fact, cannot perform my duties in any other place in a satisfactory manner.

376. Have you been in India?—Yes; I commenced my service at Calcutta.

377. *Colonel Munro.*] Were you quartermaster at Bermuda?—Yes; I was in lodgings for 18 months from want of room in barracks.

378. *President.*] Can you inform the Committee whether quartermasters in olden times received allowances from the colonels of regiments?—No, I cannot speak to that.

379. *Sir T. Troubridge.*] Not from hearsay?—I think it has been more in the cavalry than in the infantry.

380. Have you ever served in the cavalry?—No.

381. *Major Marvin.*] Do you now receive 8*s.* 6*d.* a day?—Yes, I do.

382. *President.*] You consider that your duties have been increased to such an extent as to entitle you, or at least to give you a fair ground for asking for increase of pay, or an increase of benefit of some kind?—I think that on promotion my pay is not sufficient to enable me to keep up my position. I am taken from the ranks and put in the position of an officer, and I must keep myself in that position, and I do not think that the pay is sufficient. I think that when a man is promoted from the ranks he ought to be kept above poverty.

383. *Captain Galton.*] The pay which you receive is more than a sergeant-major would obtain if he were promoted to the rank of ensign?—Yes, but very few sergeant-majors are promoted to be ensigns, unless they accept the adjutancy or some staff appointment. No man would accept an ensigncy to remain as such, because he could not live upon the pay.

384. *President.*] I think I asked you whether you would like to be appointed ensign and quartermaster?—Yes, I would not.

385. Some of the quartermasters rather lay stress upon that?—There are some men who are more adapted for it; for instance, the sergeant-major is more accustomed to drill; he might prefer it.

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386. It is evident that it would not suit everybody's ideas?—Yes, I would rather be a quartermaster if I were better paid.

387. Would you like to be relieved from having to subscribe to the band and the mess. I do not mean to be excluded, but to be relieved from all contribution to the expenses?—No, I would not.

388. Captain Galton.] Would you like to have the option of contributing or not, as you chose?—No, I would like, if I am an officer, to be the same as any other officer, either all or nothing. Although there are many duties, perhaps, that I cannot exactly define connected with the paymaster, which I think he ought to perform, still, at the same time, if I were properly paid, the same as any other staff officer, I should not find so much fault with the amount of work as insufficient pay.

389. Your work is not too heavy to prevent its being properly done?—With sufficient assistance; it greatly depends upon that; I have no claim for any one, except my sergeant, to give assistance; it is only the goodness of the commanding officer; it is not a matter of right.

390. Has assistance ever been refused?—I do not know, but you cannot always get what you want. I cannot say that I have any fault to find with the commanding officers that I have served with.

Quartermaster FRANCIS DRAKE (1st Battalion, 5th Foot); Examined.

Quarter-
master
F. Drake.

394. President.] You know, of course, the object of this Committee?—Yes.

395. Have you seen certain printed papers which have been prepared by Mr. Haden, Mr. Cole, and other quartermasters?—Yes, I have seen them.

396. Do you agree with all that is contained in them?—Yes, it is exactly according to my opinion.

397. Is there nothing that you would desire to alter or to modify?—I do not think there is anything over-stated in the statement of the duties, or with regard to the pay the quartermasters receive, or in the proposition that is made for bettering their position.

398. Do you agree with the remedies which are suggested?—As I understand, they propose three remedies; but there is one that I think would be better than the others; that is, to let the quartermasters remain in their present position, but to give them better pay after certain periods of service. They are not able to live on their present allowances, and they want better pay at the commencement of their service. A quartermaster in an infantry regiment, with 6 s. 6 d. a day, can scarcely exist, having a wife and family to support. I would let them remain in their present position as quartermasters; not to give them positive rank, but I think they should have something that they could live upon while they are in the army. Of course relative rank while they are serving would be also a benefit to them, as it would give them a choice of quarters, and they would not be obliged to live out of barracks if they could get a choice of quarters. They are advantages attached to rank, but, of course, if we could get better pay that is the principal object.

399. Captain Galton.] Have you ever personally suffered any inconvenience from anything connected with the choice of quarters?—Yes, I live in the town of Woolwich, and I am put now to the expense of paying for my lodgings,

391. The colonel is the person most interested in having the work properly done, and I have never heard of any colonel who did not supply the necessary assistance?—I cannot say but what I have got, generally speaking, all that I wanted; but I would like it as a matter of right, and that I should not be in such an undefined position; I wish to have the authorised assistance of a clerk and storeman; but the great point with me is that a quartermaster gets his commission, and then he is not paid sufficiently and cannot keep up his position.

392. You dwell principally upon the first appointment?—Yes, of course. I think that we are not well paid in any grade. What I mean to say is, that after you are in the higher scales of pay you can live then, perhaps, but not provide for and educate a family.

393. Major Marvin.] Suppose you started now with an extra shilling a day besides what you receive?—An extra shilling a day; it would not clear the mess and band expenses. I should not like to be in the place of an officer who had to live upon his pay, either 5 s. 3 d. or 6 s. 6 d. a day. I do not think that any man would really wish to be commissioned from the ranks, if he had to depend upon his subalterns's pay.

[The Witness withdrew.]

because I cannot live in the quarters which were given to me. In the Tower I was similarly situated.

400. What family have you?—A wife and two children.

401. Major Marvin.] Do you not receive a lodging allowance?—No, because there are empty quarters, but they are such that I cannot live in them.

402. President.] What kind of quarters are they?—Some of them consist of two rooms and a share of a kitchen, and some one room and a share of a kitchen.

403. Major Marvin.] The two rooms are very small, are they not?—Yes, they are under the roof. They were formerly garrets, but they have been converted into quarters lately.

404. President.] You are now put to the expense of lodgings, having no allowance?—Yes.

405. You receive no allowance because there are quarters available, if it suited your purpose to occupy them?—Yes; I could occupy them if I chose, but from their small size they are unsuited to my family.

406. If those quarters were not open to you, you would receive a lodging allowance?—Yes; in the Tower I had 2 s. a day as a lodging allowance, because there were not sufficient quarters there.

407. Major Marvin.] Are there any quartermasters living in barracks at Woolwich?—Only one, Quartermaster Williams, R.A.

408. Are they all without an allowance for lodging money?—Yes.

409. Colonel Munro.] Have the captains any better quarters?—There are a number of quarters with two rooms and a kitchen, and they have the choice before the subaltans; some of them have two rooms, and some others, one.

410. President.] How long have you been a quartermaster?—Upwards of seven years.

411. Are the duties which you now perform greater than they were when you were first appointed?—Yes.

412. Have

Quarter-
master
F. Drake.

1 Dec. 1864.

412. Have they been increased?—Yes.

413. Are they heavier than you find you can perform properly?—No, I can perform my duties.

414. Are any of them duties which you think the paymaster or any one else ought to perform, and which you ought not to have to do?—There are certain duties connected with the paymaster's department that the quartermaster must do, because they are so connected with the clothing and the settlement of the clothing. I think that they should go through the quartermaster's hands, and that the quartermaster must pay the monies due on account of those things.

415. Sir *T. Troubridge.*] Do you mean the contingent list?—Yes.

416. *President.*] You think that the quartermaster must make out his own return?—Yes.

417. Do you think that the quartermaster must necessarily make out that account?—Yes, because he calculates the amount of compensation paid to the men for clothing, and therefore it is necessary for him to keep an account of that, to recover the money again.

418. It would be no relief to you merely to send it to the paymaster for payment?—It would be no benefit that I can see; it is very little trouble to pay the money over.

419. Do you pay the money out of your own pocket?—Sometimes I do, if I have the money; if not, I get it from the paymaster.

420. Do you find no difficulty in getting the money?—No.

421. Major *Marvin.*] You can get the money at any time, and you have to keep it in your hands?—Yes, we get perhaps 10 *l.* at a time.

422. Whenever you like to ask for it?—Yes.

423. *President.*] You do not complain of the responsibility which rests with you in consequence?—It is not great.

424. Have you ever sustained any loss in connection with these payments?—Not as to those payments.

425. Not from anything occurring in the department?—Yes; I lost a few rations in Aldershot, and I paid the commissariat 1 *l.* 13 *s.* out of my own pocket for a deficiency of rations which I could not account for; they were groceries. I also lost by a man who was employed in the shoemaker's shop. I let him have money to get leather, when the work was at a stand-still for want of it, and he went away without paying me. The quartermaster is supposed to look after all these things.

426. Colonel *Munro.*] Did you mention to the colonel the loss you sustained at Aldershot from a deficiency of rations?—I did not. I have still the receipt of the commissariat officer for the money.

427. *President.*] You settled the matter quietly with him?—Yes, I sent in my surplus rations on the morning when the regiment was leaving; there were some deficiencies and I paid for them.

428. Sir *T. Troubridge.*] Are you aware of any allowance having been made in former times by the colonels of regiments to cover such deficiencies?—I have heard of such things, but not in my time.

429. *President.*] The view you take of your position, if I understand it rightly, is that you have greater duties to perform than you had formerly, or than you think you are now paid to perform?—Yes, more duties to perform, and therefore I think we ought to be better paid.

430. All you ask is to be better paid?—Yes.

431. You do not complain of being saddled with the duties of any other person?—No.

432. You do not lay particular stress upon or wish to be relieved from cash responsibilities?—No, they are so few that I do not care about them.

433. Colonel *Munro.*] What were you before you were appointed quartermaster?—I was a sergeant-major.

434. *President.*] Some quartermasters appear to have a desire to be put on the combatant list of officers; how would it have suited your views if, instead of being appointed permanently quartermaster, you had been brought in as ensign and quartermaster, with a small addition of staff pay, and then to have gone up the combatant list to the head of the lieutenants, having the option to remain quartermaster, or to take the other line?—It would have suited me very well, because I received my appointment when I was, comparatively speaking, a young soldier; I received it after 10 years' service, and therefore I should have had ample time to mount the list of subalterns, and then to have taken my choice between quartermaster and captain.

435. Captain *Galton.*] How long do you say you have been quartermaster?—Seven years.

436. What is your pay?—I now receive 8 *s.* 6 *d.* a day, but there is one thing, that is, I was obliged to serve six years and a half as quartermaster before I could receive my first increase of pay, in consequence of having had 18 months' service as private; 15 years, by the regulations, should have given me an increase of pay; but having had 18 months' service as private, I was not allowed to reckon that as a part of the 10 years' service as a non-commissioned officer. In the same way it will go on to the second increase, and I shall have to have served eleven and a half years as a commissioned officer before I can receive my second increase.

437. In five years from the time when you received 8 *s.* 6 *d.* a day you will get 10 *s.*?—Yes; but then I have eight and a half years to serve afterwards, for which I have nothing to look forward to. After I get the 10 *s.* a day I shall have eight and a half years longer to serve, with nothing to look forward to until I complete my service, and before I can retire.

438. Major *Marvin.*] That is by reason of your having become quartermaster so soon?—Yes.

439. The difference is that you will be giving the last service in the rank of quartermaster instead of in that of a non-commissioned officer?—Yes.

440. *President.*] Does not your experience enable you to say that the position of quartermaster is most eagerly sought after by non-commissioned officers?—Perhaps it is to some extent; it is almost the only thing that non-commissioned officers in the ranks look forward to obtain; if they did not get that, the non-commissioned officers would scarcely get anything else.

441. Your evidence would appear to amount to this, that your principal desire is to be better rewarded in point of pay and allowances?—Yes; but I should like to have position as well with respect to quarters, and for the benefit of my widow in case of death.

442. Major *Marvin.*] Under the present regulations your widow would have the same amount of pension that the widow of a lieutenant would receive?—Yes.

[The Witness withdrew.]

A P P E N D I X.

APPENDIX A.

(a)—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. OF 126 QUARTERMASTERS OF THE ARMY.
1st January 1864.

NAMES.	Corps.	Age.	AGGREGATE SERVICE.			Married before or since being commissioned.	CHILDREN.		Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
			Yrs. mos.	Yrs. mos.	Yrs. mos.		Male.	Female.						
Drake, John G.	4th Dragoon Guards.	50	Private	-	17 3	Before	1	-	s. d. 10 6	Yrs. mos. 1 0	The Crimea, 1854 to 1856.	-	1st. Crimean and 3 clasps. 2d. Turkish.	
			Sergeant	-	6 6		1	-			Balacava.	-		
			Sergeant-major	-	5 8		-	1			Inkerman.	-		
			Quartermaster	-	9 1		-	1			Tchernaya.	-		
			Total	-	38 6		2	3			Sebastopol.	-		
Bewley, G. W.	5th Dragoon Guards.	56 $\frac{1}{2}$	Private	-	1 9	Before	-	-	12 -	-	The Crimea	-	1st. Crimean and 3 clasps. 2d. Turkish.	
			Corporal	-	4 10		-	-			Balacava.	-		
			Sergeant	-	7 0		-	-			Inkerman.	-		
			Troop Sergeant-major	-	6 6		-	-			Tchernaya.	-		
			Sergeant-major	-	0 3		-	-			Sebastopol.	-		
Griffiths, George	6th Dragoon Guards.	41	Quartermaster	-	10 0		-	-				-		
			Total	-	30 4		-	-				-		
			Private	-	2 0	Before	1	-	8 6	9 0	The Crimea	-	1st. Crimean and 3 clasps. 2d. French. 3d. Turkish.	
			Corporal	-	4 0		-	-			Balacava.	-		
			Sergeant	-	6 0		-	-			Inkerman.	-		
Scott, William	1st Dragoons.	57	Sergeant-major	-	5 0		-	-			Tchernaya.	-		
			Quartermaster	-	4 0		-	-			Sebastopol.	-		
			Total	-	21 0		-	-				-		
			Private	-	3 0	Before (wife is dead).	-	-	12 -	-	The Crimea	-	1st. Crimean and 3 clasps. 2d. Turkish.	
			Corporal	-	1 3		-	-			Balacava.	-		
			Sergeant	-	3 8		-	-			Inkerman.	-		
			Troop Sergeant-major	-	15 3		-	-			Sebastopol.	-		
			Quartermaster	-	13 8		-	-				-		
			Total	-	36 10		-	-				-		

M'Bean, T. H. - 2d Dragoons.	55	Private and Lance- corporal - - -	7	6	2	0	Before	1	12	12	-	-	-	1st. Crimean and 3 clasps. 2d. Turkish.
		Corporal and Lance- sergeant - - -	2	6				1	9	9				
		Sergeant - - -	3	3				1	6	6				
		Troop Sergeant-major	8	9				1	4	4				
		Quartermaster - -	12	9				1	2	2				
Total - - -			34	9				4	2	1				
Woods, Henry - 3d Hussars.	39	Private - - -	7	4	14	5	Before	1	13	8	8	2	-	1st. For Cabul.
		Corporal - - -	2	2				1	8	8			-	2d. Medal and 2 clasps, Sutlej Campaign.
		Sergeant - - -	6	7				1	4	4			-	3d. Medal and 2 clasps, for Pun- jaub.
		Troop Sergeant-major	3	6				1	2	2				
		Sergeant-major - -	3	5				2	2	2				
Total - - -			24	10										
Kelly, Jas. W. - 4th Hussars.	41 $\frac{3}{4}$	Private - - -	4	6	20	0	Before	1	13	8	8	9	-	1st. Crimean and 4 clasps. 2d. French. 3d. Turkish.
		Corporal - - -	1	9				1	10	10			-	
		Sergeant - - -	6	4				1	8	8			-	
		Troop Sergeant-major	0	1				1	6	6			-	
		Sergeant-major - -	3	9				1	4	4			-	
Total - - -			3	7				3	2	2				
Bedford, C. - 5th Lancers.	45	Private - - -	6	0	5	0	Before	1	16	8	9	1	-	1st. Medal and gra- tuitly of 15 $\frac{1}{2}$ for meritorious ser- vices as non- commissioned officer. 2d. Indian Mutiny.
		Corporal - - -	1	0				1	14	14			-	
		Sergeant - - -	10	8				1	12	12			-	
		Troop Sergeant-major	1	0				1	10	10			-	
		Quartermaster - ser- geant.	5	5				1	5	5			-	
Total - - -			0	11				3	2	2				
Borthwick, Walter - 7th Hussars.	45	Private - - -	2	6	8	4	Before	-	-	10	6	5	1	Indian Mutiny and 1 clasp.
		Corporal - - -	2	7				-	-	-			-	
		Sergeant - - -	5	10				-	-	-			-	
		Troop Sergeant-major	8	1				-	-	-			-	
		Quartermaster - -	5	11				-	-	-			-	
Total - - -			24	11				-	-	-			-	
James, P. H. - 10th Hussars.	42	Private - - -	3	6	10	2	Not at all.	-	-	8	6	8	6	Crimean and 1 clasp.
		Corporal - - -	2	0				-	-	-			-	
		Sergeant - - -	7	6				-	-	-			-	
		Troop Sergeant-major	6	0				-	-	-			-	
		Quartermaster - -	2	6				-	-	-			-	
Total - - -			21	6				-	-	-			-	

Greenway, T.	2d Battalion Military Train.	34	Private -	-	4	7	10	6	Before	1	-	11	6	6	10	7	The Crimea, 1854 to 1856 Alma. Inkerman. Sebastopol. Indian Mutiny, 1857-8.	-	-	-	1st. Crimean and 3 clasps. 2d. Turkish. 3d. Indian Mutiny and 2 clasps.
			Corporal -	-	0	7	-	-	1	1	-	9	-	-	-	-					
			Sergeant -	-	2	1	-	-	1	1	-	6	-	-	-	-					
Lambert, William	4th Battalion Military Train.	41 $\frac{1}{2}$	O. R. Clerk -	-	3	1	-	-	1	1	-	3	-	-	-	-	Crimea, 1854 to 1856 - Alma. Inkerman. Sebastopol. China, 1860 to 1862.	-	-	-	1st. Crimean and 3 clasps. 2d. Turkish. 3d. China.
			Colour-sergeant	-	1	3	-	-	-	-	-	2	-	-	-	-					
			Quartermaster - ser-geant.	-	0	6	-	-	-	-	-	-	-	-	-	-					
			Quartermaster	-	7	4	-	-	4	1	-	-	-	-	-	-					
			Total	-	-	19	5	-	-	-	-	-	-	-	-	-					
			Private -	-	4	5	13	9	Before	-	1	17	8	6	8	8					
			2d Corporal	-	1	6	-	-	-	-	1	15	-	-	-	-					
			Corporal	-	3	0	-	-	-	1	-	12	-	-	-	-					
			Sergeant	-	4	0	-	-	1	1	-	6	-	-	-	-					
			Colour-sergeant	-	1	1	-	-	1	1	-	5 $\frac{1}{2}$	-	-	-	-					
Luttrell, Frederick	5th Battalion Military Train.	40	Quartermaster	-	7	4	-	-	1	1	-	1 $\frac{1}{2}$	-	-	-	-	Crimea Sebastopol.	-	-	-	1st. Crimean. 2d. Turkish.
			Quartermaster	-	3	0	-	-	-	-	-	1	-	-	-	-					
			Total	-	-	22	0	-	4	2	-	-	-	-	-	-					
			Private -	-	2	1	7	0	Before	1	-	11	8	6	8	0					
			Corporal	-	3	3	-	-	1	1	-	8	-	-	-	-					
			Sergeant	-	4	0	-	-	-	1	-	6	-	-	-	-					
			Colour-sergeant	-	4	0	-	-	-	1	-	3	-	-	-	-					
			Quartermaster - ser-geant.	-	5	8	-	-	-	1	-	1	-	-	-	-					
			Quartermaster	-	3	0	-	-	-	-	-	1	-	-	-	-					
			Total	-	-	22	0	-	4	2	-	-	-	-	-	-					
Keir, Malcolm	6th Battalion Military Train.	38	Gunner and Driver	-	3	0	2	2	Before	1	-	11	3	6	11	0	Crimea, 1854-5 - Inkerman. Sebastopol.	-	-	-	1st. Crimean and 2 clasps. 2d. Turkish.
			Bombardier	-	5	0	-	-	1	1	-	8	-	-	-	-					
			Corporal	-	2	0	-	-	1	1	-	1	-	-	-	-					
			Sergeant	-	1	0	-	-	-	-	-	-	-	-	-	-					
			Deputy-assistant Commissary, Field Train.	-	4	6	-	-	3	-	-	-	-	-	-	-					
			Quartermaster	-	3	6	-	-	-	-	-	-	-	-	-	-					
			Total	-	-	19	0	-	-	-	-	-	-	-	-	-					
			Boy	-	5	0	30	9	Before	-	1	24	-	10	-	-					
			Private	-	4	7	-	-	-	-	-	20	-	-	-	-					
			Corporal	-	2	0	-	-	-	-	1	17	-	8	-	-					
McGee, Joseph	1st Battalion 1st Foot.	55 $\frac{1}{2}$	Sergeant	-	2	6	-	-	1	1	-	15	-	6	-	-	Crimea, 1854 to 1856 - Alma. Inkerman. Sebastopol.	-	-	-	1st. Crimean and 3 clasps. 2d. Turkish.
			Colour-sergeant	-	5	0	-	-	-	-	-	-	-	-	-	-					
			Sergeant-major	-	5	6	-	-	1	3	-	-	-	-	-	-					
			Quartermaster	-	17	0	-	-	-	-	-	-	-	-	-	-					
			Total	-	-	41	7	-	-	-	-	-	-	-	-	-					
			Private	-	2	10	8	3	Before	-	1	10	-	10	-	-					
			Corporal	-	0	10	-	-	-	1	-	8	-	-	-	-					
			Sergeant	-	5	3	-	-	-	1	-	6	-	-	-	-					
			Colour-sergeant	-	3	11	-	-	-	1	-	4	-	-	-	-					
			Sergeant-major	-	2	4	-	-	-	-	-	1	-	-	-	-					
Moore, James	2d Battalion 1st Foot.	34 $\frac{1}{2}$	Quartermaster	-	4	0	-	-	3	2	-	-	-	-	-	-	The Crimea, 1855-6 - Sebastopol. China, 1860. Taku Forts. Pekin.	-	-	-	1st. Crimean and clasp 2d. Turkish. 3d. China and 2 clasps.
			Total	-	-	19	2	-	-	-	-	-	-	-	-	-					
			Private	-	2	10	8	3	Before	-	1	10	-	10	-	-					

August 1855, in the Crimea, by leaving the most advanced trench, and carrying in a wounded man of the 55th Regiment, under a very heavy fire.

Haden, Samuel -	2d Battalion, 6th Foot.	35	Private - - - Corporal - - - Depôt O. R. Clerk and Sergeant. Colour-sergeant - Quartermaster - Total - - -	0 11 0 9 7 0 1 2 7 5 17 3	5 0	Since -	1 - 1 - 2 -	6 3	6 6	13 7	Bulgaria, 1854 - Crimea, from September 1854 till end of the war; Alma and In- kerman. Indian Mutiny, 1857-8.	Twice in the Cri- mea, but taken no notice of at the time, being flesh wounds.	1st. Crimean and 3 clasp. 2d. Turkish.
Usherwood, Charles -	1st Battalion, 8th Foot.	31	Private - - - Corporal - - - Sergeant - - - Colour-sergeant Quartermaster-sergeant Quartermaster - Total - - -	2 1 0 3 3 4 0 10 0 2 5 0 11 8	7 5	Since -	- - - - - - - - - - - -	6 4	6 6	18 4			
Darker, James -	1st Battalion, 10th Foot.	41	Private - - - Corporal and O. R. Clerk. Sergeant - - - Colour-sergeant - Quartermaster-sergeant Quartermaster - Total - - -	0 0 3 0 3 0 6 0 1 0 8 0 21 0	2 3	Before	1 - - 1 - 1 - 1 - 1 1 4	10 9 6 6 3 3 1 1	8 6	9 0	Relief and siege of Luck- now, Cawnpore, and Summer Campaign of 1858; in Oude to end of Mutiny.	- -	Indian and 2 clasps.
Deacon, D. M. -	1st Battalion, 11th Foot.	36	Commissariat Depart- ment. Quartermaster - Total - - -	1 4 8 0 9 4	2 0	Since -	- - - -	- -	6 6	21 0	Crimea - Sebastopol.	- -	1st. Crimean and 1 clasp. 2d. Turkish.
Atkins, J. R. -	2d Battalion, 11th Foot.	37½	Private - - - Corporal - - - Sergeant - - - Colour-sergeant - Sergeant-major Quartermaster - Total - - -	4 9 4 8 2 4 2 7 2 4 2 8 19 4	8 6	Before	- 1 - 1 - 1 - 3	6 6 2 2 1 1	6 6	10 8			
Huddleston, Thos. -	2d Battalion, 12th Foot.	34	Quartermaster - Total - - -	1 7 1 7	1 7	Not at all.	- - - -	- -	6 6	28 5	Crimea - Alma. Inkerman. Sebastopol.	- -	1st. Crimean and 3 clasp. 2d. Turkish.
Moore, John -	1st Battalion, 14th Foot.	35½	Private - - - Corporal - - - Sergeant - - - Colour-sergeant Quartermaster - Total - - -	4 8 2 3 4 2 4 8 1 5 17 2	9 3	Not at all.	- - - -	- -	6 6	12 10	Crimea, 1855-6 - Sebastopol.	- -	1st. Crimean and 1 clasp. 2d. Turkish.

Storey, Richard	35	2d Battalion, 20th Foot.	Private - Corporal - Sergeant - Colour-sergeant - Sergeant-major - Quartermaster - Total -	2 2 5 10 2 2 18	1 1 5 2 5 0 11	10	7	Before	-	-	-	6	6	11	1	Kafir War, 1851 to 1853. Taku Forts, China. Surrender of Peking, October 1860.	-	-	1st. Kafir War. 2d. Medal and clasps for China.
Grahame, George	36	1st Battalion, 21st Foot.	Private - Paymaster-sergeant - Sergeant - Colour-sergeant - Quartermaster-sergeant. Quartermaster - Total -	1 2 3 4 0 8 18	7 3 7 4 9 10 0	12	0	Before	1 1 1 1 1 5	12 9 6 4 2 1	8	6	12	0	Crimea during the whole campaign. Alma, Inkerman, Balaklava, Sebastopol.	1st. Crimean and 2d. Turkish.			
Foley, Francis	41	2d Battalion, 21st Foot.	Private - Corporal - Sergeant - Paymaster-sergeant - Quartermaster - Total -	2 2 0 8 8 22	10 1 2 11 0 0	7	0	Before	1 1 1 2	13 10 8	8	6	9	0	India, 1854 to 1856 - Moodkee. Perozeshaw. Aliwal. Buddiwal. Sohraon. Crimea, Sebastopol.	Severely at Sohraon, on 10th February 1846. As a combatant.	1st. Sutlej and 2d. Crimean and 3d. Turkish.		
Jones, Walter	41	1st Battalion, 22d Foot.	Private - Corporal - Paymaster-sergeant - Quartermaster - Total -	3 0 11 1 17	6 9 9 9 9	12	0	Before	1	5	6	6	12	3					
Burden, George	35	2d Battalion, 23d Foot.	Private - Corporal - Sergeant - Quartermaster - Half-pay - Total -	0 2 2 6 1 13	7 0 10 8 6 10	5	8	Since	1 1 1	3 1	6	6	17	8					
Charters, William	38	1st Battalion, 24th Foot.	Private - Corporal - Sergeant - Hospital-sergeant - Colour-sergeant - Sergeant-major - Quartermaster - Total -	3 2 2 7 2 0 0 19	7 6 9 0 0 9 11 6	15	0	Before	1 1 2 3	7 5 3 2	6	6	10	6	Passage of the Cheneb, 1848. Action of Sadoolapore, 1848. Chillianwallah, in 1849.	Grapeshot through right thigh, at Chillianwallah.	Punjaub and 1 clasp.		

Aylett, James	29th Foot	47	Private - O. R. Clerk - Corporal - Sergeant - Paymaster-sergeant - Quartermaster - ser- geant. Quartermaster Total - - -	- - - - - - - -	1 3 1 0 12 3 8 4	21	6	Before	- - - - 1 - - -	1 1 1 1 10 6	8	6	1	8	Crimea, 1854-55: Alma, Balaklava, Inkermann, Sebastopol, and Capture of Kinburn. Indian Mutiny, 1857-8: Siege and Capture of Lucknow, and Operations in Oude.	- - - - - - - -	- - - - - - - -	1st. For long service and good conduct as a non-commissioned officer. 2d. Crimean and 4th. Turkish clasp. 3d. Indian clasp.	
Stribling, Francis	32d Foot	44 ¹⁰ / ₁₈	Private - Corporal - Sergeant - Paymaster-sergeant - Quartermaster - ser- geant. Quartermaster Total - - -	- - - - - - -	1 0 7 10 7 6 8	17	0	Not at all	- - - - - -	- - - - -	8	6	2	6	Canadian Insurrection, 1837-38. Mooltan and Cheniote, Goojerat, Siege of Lucknow, and subsequent Operations in Oude.	- - - - - -	- - - - - -	1st. For long service and good conduct as a non-commissioned officer. 2d. Punjaub and 3d. Indian Mutiny and clasp for Lucknow.	
O'Neill, Daniel	34th Foot	42	Private - Corporal - Sergeant - Quartermaster Total - - -	- - - -	4 18 6 3 27	19	5	Before	- 1 - 1 1 2 1 3	16 9 6 2 1	6	6	6	5	Canadian Insurrection, 1838. Crimea, Sebastopol. Indian Mutiny.	- - - -	- - - -	1st. Crimean and 1st. Indian Mutiny. 2d. Indian Mutiny. 3d. For distinguished conduct. 4th. Meritorious conduct.	
Brookes, Joseph	36th Foot	44	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster - ser- geant. Quartermaster Total - - -	- - - - - - -	1 1 4 10 0 8 26	14	6	Before	- - - - - -	- - - - -	8	6	4	0		- - - -	- - - -		
Reilly, J.	37th Foot	37	Private - Sergeant - Ensign - Quartermaster Total - - -	- - - -	2 11 2 3 19	15	0	Before	1	-	3 ⁶ / ₁₂	6	6	11	0	Indian Mutiny	- - - -	- - - -	Indian Mutiny.
Slattery, Matthew	38th Foot	39	Private - Corporal - Colour-sergeant - Quartermaster - ser- geant. Quartermaster Total - - -	- - - - - -	8 0 4 4 5 24	16	0	Before	2	4	13 11 9 7 5 1	6	6	9	0	New Zealand, 1845-46; was five times engaged.	- - - -	- - - -	Recommended by General Wynyard for the medal for meritorious service in the field when in New Zealand.

Appendix (A.)—(a.)—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. of 126 Quartermasters of the Army—continued.

NAMES.	Corps.	Age.	AGGREGATE SERVICE.		Service Abroad.	Married before or since being Commissioned.	CHILDREN.			Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
							Male.	Female.	Years of Age.						
Barnes, Francis	40th Foot	54	Yrs. mos.	Yrs. mos.	Yrs. mos.	Before	-	1	23	s. d.	Yrs. mos.	Capture of Kurachoven, 1839. New Zealand War, 1800-61 (still there).	-	For long service and good conduct.	
			Boy - - -	4 0	28 0	Before	-	1	19	8 6	3 0				
			Private - -	3 11			-	1	17						
			Corporal - -	5 6			-	1	14						
			Sergeant - -	0 4			-	1	10						
			Colour-sergeant - -	13 2			-	1	7						
Ward, Charles	41st Foot	40	Quartermaster-sergeant - -	5 10			-	1	3			Kaffir War, 1852-3 - Crimea, 1854 to 1856. Alme. Balaclava. Inkermann. Sebastopol.	-	1st. Kaffir War. 2d. Crimean and 4 clasps.	
			Quartermaster - -	7 0			-	1		6 6	9 10				
			Total - - -	39 9			2	5							
			Private - -	3 6	8 7	Before	1	-	3						
			Corporal - -	1 5			-	1	1						
			Sergeant - -	4 6			-	1							
Simpson, John	42d Foot	37½	Colour-sergeant - -	4 10			1	1				The Crimea, throughout the whole campaign. Indian Mutiny, 1857 to 1859. Capture of Lucknow, &c.	-	1st. Crimean and 3 clasps. 2d. Turkish. 3d. Victoria Cross. 4th. Indian, with clasp for Lucknow.	On 15th April 1858, at Fort Ruyha, in rescuing wounded comrades from the hands of the enemy under a tremendous fire.
			Quartermaster-sergeant - -	0 9						6 6	10 0				
			Cornet - -	2 8											
			Quartermaster - -	4 8											
			Total - - -	22 4											
			Private - -	3 9	14 7	Before	-	-	-						
Williams, Arthur	43d Foot	34	Corporal - -	1 8			-	-				Kaffir War of 1851-2-3, and Indian Mutiny.	-	1st. Kaffir War. 2d. Indian Mutiny.	
			Sergeant - -	3 11			1	-	7	6 6	13 1				
			Colour-sergeant - -	2 11			1	-	6						
			Colour-sergeant - -	2 1			-	1	2						
			Quartermaster-sergeant - -	3 3			-	1	1						
			Quartermaster - -	4 9			3	1							
Hart, W.	44th Foot	44½	Total - - -	16 11								Crimean Campaign - Alma. Inkermann. Sebastopol. China, 1860, inclusive of assaults and capture of Taku Forts.	-	1st. Crimean and 3 clasps. 2d. For distinguished conduct in the field. 3d. Turkish. 4th. Chinese and 1 clasp.	By zeal and ability during the Campaign and Siege of Sebastopol, for which he received a medal and gratuity of 15 %.
			Private - -	1 4	14 0	Not at all	-	-	-	8 6	9 6				
			Corporal - -	0 10											
			Sergeant - -	4 1											
			Colour-sergeant - -	5 5											
			Serjeant-major - -	1 3											
			Quartermaster - -	7 6											
			Total - - -	20 5											

Guernsey, F. W.	45	45th Foot	Private - Corporal - Sergeant - Colour-sergeant Sergeant-major Ensign - Quartermaster Total -	- - - - - - - 24 6	2 2 5 8 1 2 3	0 6 0 6 6 0 0	16	6	Since -	1 - 1 1 - -	1 - 1 1 - -	6 6 7 0	Kafir Wars, 1846 to 1848, and 1851 to 1853; also in the Orange River Sovereignty.	- - - - - - -	Kafir War.	
Downey, Edward	37	47th Foot	Private - Corporal - Sergeant - Colour-sergeant Sergeant-major Quartermaster Total -	- - - - - - -	1 3 6 1 6 2	4 2 0 3 3 0	9	0	Before	- - - - - -	1 1 1 1 - 4	6 6 11 0	Crimea Alma. Inkermann. Sebastopol.	- - - - - -	1st. Crimean and 3 clasp. 2d. Turkish. 3d. Distinguished con- duct, with the annuity of 20 l.	At the Battle of In- kermann.
Jordan, John	34	48th Foot	Private - Corporal - Sergeant - Staff-sergeant Sergeant-major Quartermaster Total -	- - - - - - -	2 5 1 5 2 0	0 6 9 9 8 8	12	0	Before	1 - - - 1	1 1 1 2	6 6 12 4	Penniar, 1843 Sutlej, 1845-6. The Crimea, 1854 to 1856. Alma. Inkermann. Sebastopol.	- - - - - -	1st. Star. 2d. Sutlej and 3 clasp. 3d. Crimean and 3 clasp. 4th. Turkish.	
Turner, J.	44	50th Foot	Private - Corporal - Sergeant - Colour-sergeant Quartermaster Total -	- - - - - -	2 2 3 7 9	0 0 3 6 0	16	8	Before	1 1 1 - 3	1 1 1 1 1	8 6 6 3	Penniar, 1843 Sutlej, 1845-6. The Crimea, 1854 to 1856. Alma. Inkermann. Sebastopol.	- - - - -	1st. Star. 2d. Sutlej and 3 clasp. 3d. Crimean and 3 clasp. 4th. Turkish.	
Marshall, Thomas	43	53d Foot	Private - Corporal - Sergeant - Colour-sergeant Sergeant-major Quartermaster Total -	- - - - - - -	3 0 1 4 2 11	11 4 0 6 9 6	16	0	Before	1 - - - 1	1 1 1 2	8 6 6 6	Sutlej, Punjaub, and In- dian Mutiny, Alwal, Sobraon, Gojerat, Kudjwah, Relief of Lucknow, Cawnpore, Kalla Mudda, Meeran- gunge, Joolaspore, &c.	- - - - -	1st. Sutlej 2d. Punjaub. 3d. Indian Mutiny.	Mentioned in Sir William Peel's despatches.
Dixon, Timothy	32½	55th Foot	Private - Lance-corporal Corporal - Sergeant - Colour-sergeant Sergeant-major Quartermaster Total -	- - - - - - -	2 3 0 0 2 2	5 3 8 9 3 5	3	3	Before	- - - - -	1 1 1 2	6 6 14 7	Siege and capture of Sebastopol.	- - - -	1st. Crimean and 1 clasp. 2d. Turkish.	

Appendix (A.)—(a.)—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. OF 126 QUARTERMASTERS OF THE ARMY—continued.

NAME S.	Corps.	Age.	AGGREGATE SERVICE.		Service Abroad.	Married before or since being commissioned.	CHILDREN.		Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
			Yrs. mos.	Yrs. mos.			Male.	Female.						
Clarke, Joseph -	58th Foot	42 $\frac{8}{10}$	Private -	-	Yrs. mos. 5 1	Before	-	1	s. d. 6 6	Yrs. mos. 7 11	Crimea, from September 1854 to July 1856. Alma. Inkermann. Sebastopol.	At the Alma	1st. Crimean and 3 clasps. 2d. Turkish.	
			Corporal -	-	4 0		-	1						
			Sergeant -	-	3 3		-	1						
			Colour-sergeant -	-	6 0		1	-						
			Cornet -	-	4 3		1	-						
Cordue, S. -	59th Foot	44 $\frac{1}{10}$	Quartermaster -	-	3 1		1	-			Assault and Capture of Canton, December 1857.	-	1st. For good conduct, with gratuity as a non-commissioned officer. 2d. For Canton, with 1 clasp.	
			Total -	-	25 8		3	4						
			Private -	-	14 9	Before	1	-	8 6	4 7				
			Corporal -	-	2 4		-	1						
			Sergeant -	-	0 6		-	1						
Hunter, William -	1st Battalion, 60th Rifles.	48 $\frac{5}{10}$	Colour-sergeant -	-	3 4		1	2			Mooltan, 1848-9; Goojerat, 1849, and subsequent operations, and throughout the Indian Mutiny constantly engaged, 1857-8. Capture of Delhi, &c.	-	1st. Punjab and 2 clasps. 2d. Indian Mutiny, and Delhi clasp.	
			Quartermaster-sergeant -	-	0 11									
			Sergeant-major -	-	4 5									
			Quartermaster -	-	5 5									
			Total -	-	31 8									
Cole, John -	2d Battalion, 60th Rifles.	39	Private -	-	5 9	Before	1	-	8 6	2 0	Throughout Bulgaria and the Crimea. Alma. Inkermann. Balaclava. Sebastopol. Two medals and four clasps.	In the right jaw at the battle of Alma.	1st. Crimean and 4 clasps. 2d. Turkish.	
			Corporal -	-	1 2		-	1						
			Sergeant -	-	5 6		1	1						
			Colour-sergeant -	-	9 9									
			Quartermaster -	-	8 0									
Dowler, J. -	61st Foot	46	Total -	-	30 2						Siege and capture of Delhi, 1857.	-	Indian, 1857.	
			Gunner and Driver -	-	0 10	Before	1	-	8 6	13 9				
			Bombardier -	-	1 5		1	-						
			Corporal -	-	5 4		-	1						
			Sergeant -	-	1 7		1	-						
			Colour-sergeant -	-	0 8		1	-						
			Cornet -	-	2 1		4	1						
			Quartermaster -	-	5 4									
			Total -	-	17 3									
			Private -	-	2 6	Before	1	-	8 6	3 1				
			Corporal -	-	2 11		1	-						
			Sergeant -	-	2 6		2	-						
			Colour-sergeant -	-	9 8									
			Quartermaster-sergeant -	-	2 4									
			Quartermaster -	-	6 11									
			Total -	-	26 10									

Linford, James	63d Foot	40	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster-sergeant - Quartermaster - Total -	2 0 2 0 1 0 9 0 3 0 8 0 25 0	18 0	Before	- - - 1 1	1 1 1 6 1 4 - 3	10 6 4 2	8 6	5 0	The Crimea, 1854 to 1856 Alma. Balaklava. Inkermann. Sebastopol.	- - - - -	- - - - -	1st. Crimean and 4 clasps. 2d. Turkish. 3d. Medal for meri- torious service.	
Ross, Alexander	64th Foot	43 ³ / ₁₂	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster-sergeant - Quartermaster - Total -	1 10 2 2 5 4 7 10 5 0 3 6 25 8	14 10	Before	- - - - - 1	1 16 1 14 1 10 1 10 1 8 1 7	16 14 10 10 8 7	6 6	6 6	Persia, 1856-7 Bushire, &c. Indian Mutiny, 1857-8.	- - -	- -	1st. Persian and clasp. 2d. Indian Mutiny.	
Hammond, H.	66th Foot	56	Private - Corporal - Sergeant - Quartermaster-sergeant - Quartermaster - Total -	7 6 2 9 6 8 17 3 9 4 43 6	31 6	Before	1 - - - 1	21 19 16 16 7 7 4 4 2 2	21 19 16 16 7 7 4 4 2 2	8 6	0 8	Indian Mutiny, 1858.	-	-		
Sladden, Henry	68th Foot	37	Private - Corporal - Sergeant - Colour-sergeant - Hospital-sergeant - Quartermaster - Total -	3 7 1 9 3 10 1 11 3 11 3 3 18 3	12 6	Since -	- - - - - 2	1 1 1 1 1 1 1 1 1 1 4 4	1 1 1 1 1 1 1 1 1 1 4 4	1 1 1 1 1 1 1 1 1 1 4 4	6 6	11 9	The Crimea, 1854 to 1856. Alma. Inkermann. Balaklava. Sebastopol.	- -	- -	1st. Crimean and four clasps. 2d. For distinguished conduct, with gra- tuity of 15 l. 3d. Légion d'Honneur. 4th. Turkish.
Scott, J. G.	73d Foot	39	Private - Corporal - Sergeant - Sergeant-major - Quartermaster - Total -	2 8 0 1 8 5 2 6 6 4 20 0	13 0	Before	- 1 - 1 1	18 10 7 7 5 5 2 2	18 10 7 7 5 5 2 2	8 6	10 0	Kaffir War, 1850-1-2-3 Indian Mutiny, 1858-9.	In the leg. on 29th May 1851.	-	-	1st. Kaffir war. 2d. Indian Mutiny.
Topp, Wm. H.	75th Foot	40	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster-sergeant - Quartermaster - Total -	4 6 0 6 0 6 10 0 0 6 3 0 19 0	13 0	Before	1 1 1 3	7 2 2 1 1 1 3 3	7 2 2 1 1 1 3 3	6 6	11 0	Indian Muti Siege and capture of Delhi.	- -	- -	Indian Mutiny, with Delhi clasp.	

Appendix (A.)--(a.)--DETAILED STATEMENT OF Services, Pay, Families, Ages, Periods of Service for Retirement, &c. of 126 Quartermasters of the Army--continued.

NAMES.	Corps.	Age.	AGGREGATE SERVICE.	Service Abroad.	Married before or since being Commissioned.	CHILDREN.			Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
						Male.	Female.	Years of Age.						
Davies, Robert -	76th Foot	40	Yrs. mos.	Yrs. mos.	Before	-	1	17	s. d.	Yrs. mos.	Siege and fall of Sebastopol.	-	1st. Crimean. 2d. Turkish.	
			Private -	1 0		-	1	15	6 6	6 6				
			Corporal -	3 0		1	-	9						
			Sergeant -	7 0		1	-	6						
			Colour-sergeant	6 6		-	1	4						
			Quartermaster-sergeant	1 6		-	1	1						
Blissett, Henry -	77th Foot	47	Cornet -	2 0		-	1	6			The Crimea, 1854 to 1856. Alma. Inkermann. Sebastopol.	-	1st. Crimean and 3 clasps. 2d. Turkish.	
			Quartermaster -	3 6		-	1	4						
			Total -	24 6		2	4							
			Private -	3 0	Before	1	-	16	8 6	2 0				
			Corporal -	5 6		-	1	14						
			Sergeant -	3 0		-	1	10						
Skrine, Charles -	78th Foot	39	Colour-sergeant	6 6		-	1	6			The Persian War, 1857, and throughout Indian Mutiny, Cawnpore, relief and capture of Lucknow.	-	1st. Persian and 1 clasp. 2d. Indian Mutiny and 2 clasps.	
			Quartermaster-sergeant	1 0		-	1	4						
			Sergeant-major	0 10		-	1	4						
			Quartermaster -	6 9		1	4							
			Total -	21 2										
			Private -	2 5	Before	-	-	-	8 6	7 10				
McGill, William	79th Foot	45	Corporal -	0 0		-	-	-			The Crimea, 1854 to 1856. Alma. Inkermann. Sebastopol. Indian Mutiny.	-	1st. Crimean and 3 clasps. 2d. Turkish Order of Medjidie. 3d. Indian Mutiny and 1 clasp.	
			Sergeant -	2 5		-	-	-						
			Colour-sergeant	7 9		-	-	-						
			Quartermaster-sergeant	1 0		-	-	-						
			Sergeant-major	0 10		-	-	-						
			Quartermaster -	6 9		-	-	-						
McGill, William	79th Foot	45	Total -	21 2										
			Private -	3 7	Before	1	-	3	8 6	3 4				
			Corporal -	4 5		-	1	2						
			Sergeant -	0 9		-	-	-						
			Colour-sergeant	9 0		1	1							
			Quartermaster-sergeant	0 3		-	-	-						
McGill, William	79th Foot	45	Ensign -	0 4		-	-	-						
			Lieutenant -	1 8		-	-	-						
			Quartermaster -	6 8		-	-	-						
			Total -	26 8										
			Private -	3 7	Before	1	-	3	8 6	3 4				
			Corporal -	4 5		-	1	2						

Rogers, Thomas	81st Foot	49	Private - Corporal - Sergeant - Sergeant-major - Ensign - Quartermaster - Total -	4 3 2 0 15 5 2 1 3 3 1 6 28 6	13 6	Before	1	-	2	6 6	58 6	Indian Mutiny	-	-	-	For long service and good conduct as a non-commissioned officer.
Hayes, Patrick	83rd Foot	53	Private - Non-commissioned officer. Quartermaster - Total -	5 0 22 2 10 7 37 9	24 6	Before	1	-	12 4 11 1	10 0	-	Indian Mutiny.	-	-	-	Indian Mutiny.
Nally, John	84th Foot	45	Private - Corporal - Sergeant - Colour-sergeant Sergeant-major Quartermaster - Total -	1 7 2 5 9 0 5 0 0 1 4 8 22 9	17 5	Before. Wife dead.	-	1	17	6 6	7 3	Throughout Indian Mutiny, the relief of Lucknow by General Havelock and its subsequent defence.	-	-	-	Indian Mutiny and 2 clasp.
Lane, William	86th Foot	56	Private - Corporal - Sergeant - Colour-sergeant Quartermaster-sergeant Quartermaster - Total -	1 8 1 4 8 0 7 0 9 0 8 0 35 0	9 0	Before	-	1 1 1 1 1 1 4	13 11 11 7 5 5 1 1	8 6	2 0	-	-	-	-	For long and meritorious services as a non-commissioned officer.
Woodroffe, W. E.	87th Foot	35	Private - Paymaster-sergeant - Quartermaster-sergeant Quartermaster - Total -	3 2 10 3 0 11 7 7 21 11	16 8	Before	-	1 1 1 1 2	11 9 6 6 2 2	8 6	12 5	Crimea, Sebastopol, and Indian Mutiny.	-	-	-	1st. Crimean and 1 clasp. 2d. Turkish.
Dewar, John	92nd Foot	48	Private - Corporal - Sergeant - Colour-sergeant Quartermaster-sergeant Quartermaster - Total -	3 1 2 5 6 0 6 2 2 5 7 0 27 1	15 2	Before	-	-	-	8 6	2 0	-	-	-	-	Meritorious services as a non-commissioned officer, and 15 l. gratuity.

Piper, F.	2d Battalion Rifle Brigade.	35	Private - Corporal - Sergeant - Colour-sergeant - Sergeant-major - Quartermaster - Total -	4 4 0 3 1 3 15	11	1	Before	- - - - - -	1 1 2	3 1	6 6 14 5	The Crimea, Alma, and Sebastopol. Indian Mutiny, Lucknow, &c.	- - - -	1st. Crimean and 2 clasps. 2d. Turkish. 3d. Indian Mutiny and Lucknow clasps.
Melntyre, D.	4th Battalion Rifle Brigade.	44	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster-sergeant - Quartermaster - Half-pay - Total -	5 6 2 1 5 1 4 6 23	17	5	Before	- - - - - - -	1 1 1 1 1 3	13 11 8 3 1	8 6 7 5	The Crimea, 1854 to 1856 Alma. Sebastopol. Kertch, &c.	- - -	1st. Crimean and 3 clasps. 2d. Turkish. 3d. Distinguished conduct in the field.
Miller, Thomas	Ceylon Rifles.	55	Private - Corporal - Sergeant - Colour-sergeant - Quartermaster-sergeant - Sergeant-major - Second Lieutenant - Quartermaster - Total -	0 6 1 8 2 7 3 4 7 5 7 10 38	32	9	Before	- - - - - - -	1 1 1 1 2	25 23 21 19 13	10 0 -	War in China, 1842	- -	For China.
Cook, A. B.	Royal Canadian Rifles.	51	Private - Corporal - Sergeant - Sergeant-major - Quartermaster - Total -	11 7 8 1 8 4 9 6 3 32	26	0	Before	- - - - -	1 1 1 1 5	14 12 10 7 5	8 6 4 0	-	-	-
Briggs, Thomas	Royal Horse Artillery.	42	Gunner - Bombardier - Corporal - Sergeant - Drill-sergeant - Quartermaster-sergeant - Sergeant-major - Riding-master - Quartermaster - Total -	4 11 0 11 1 4 2 8 3 4 1 3 2 11 1 6 20	20	11	Before	- - - - -	1 1 1 1	6 2	8 6 8 6	Sutlej, 1845-46, Moodkee, Ferozeshah, Soobraon. Punjab, 1848-49, capture of Forts Kotla, Kangra, Rungmunga, Kullawallah, action at Dullah. Indian Mutiny, 1857, the Indus, Budlee, ke-Serai, siege and capture of Delhi.	- -	Sutlej and 2 clasps Punjab. Indian Mutiny and 1 clasp.

At the siege and capture of Delhi on the 14th September 1857, in bringing ammunition to the front under a heavy fire. Was brought to notice for this by Colonel Tombs, B.A., C.B., V.C.

Appendix (A).—(a).—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. of 126 Quartermasters of the Army—*continued*.

NAME S.	Corps.	Age.	AGGREGATE SERVICE.	Service Abroad.	Married before or since being commissioned.	CHILDREN.		Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MERITS.	DISTINGUISHED.
						Male.	Female.						
Williams, John	4th Brigade Royal Artillery.	45	Gunner - - -	Yrs. mos. 3 1	Before	1	-	s. d. 9 4	Yrs. mos. 3 9	-	-	For meritorious service as a non-commissioned officer, with annuity of 15 <i>l</i> .	
			Bombardier - -	3 4		-	1			-	-		
			Corporal - - -	3 7		-	1			-	-		
			Sergeant - - -	8 7		1	-			-	-		
			Sergeant-major -	2 5		1	-			-	-		
Armstrong, William	9th Brigade Royal Artillery.	59	Quartermaster -	6 3	Before	3	2			-	-	Long service and annuity when a non-commissioned officer.	
			Total - - -	27 3						-	-		
			Gunner and Driver -	1 11		-	1	9 4	3 9	-	-		
			Bombardier - -	5 0		1	-			-	-		
			Corporal - - -	5 0		1	-			-	-		
Lloyd, William	11th Brigade Royal Artillery.	45	Colour-sergeant -	7 0	Before	2	1			-	-		
			Quartermaster-sergeant	11 0						-	-		
			Quartermaster - -	6 3						-	-		
			Total - - -	35 3				7 10	5 3	-	-		
			Gunner and Driver -	2 6		-	1			-	-		
Keating, Richard	12th Brigade Royal Artillery.	50	Bombardier and Corporal.	7 6	Before	1	-			-	-	Long service and good conduct as a non-commissioned officer.	
			Sergeant - - -	5 6		1	1			-	-		
			Staff Sergeant - -	1 6						-	-		
			Quartermaster-sergeant	5 3						-	-		
			Quartermaster - -	4 9						-	-		
Wolfe, James	17th Brigade Royal Artillery.	36 ² / ₁₂	Total - - -	27 0	Before					-	-		
			Gunner - - -	4 8		1	-	9 4	3 0	-	-		
			Bombardier - -	11 0		-	1			-	-		
			Corporal - - -	2 4		-	-			-	-		
			Sergeant - - -	6 0		1	-			-	-		
			Quartermaster-sergeant	2 0		3	1			-	-		
			Quartermaster - -	7 0						-	-		
			Total - - -	33 0						-	-		
			Gunner - - -	3 10		1	-	6 6	11 8	-	-		
			Sergeant - - -	13 6		1	-			-	-		
			Quartermaster - -	1 0		1	-			-	-		
			Total - - -	18 4		4	1			-	-		
										-	-		

McNamara, J.	224 Brigade, R.A.	43	Gunner - Bombardier - Corporal - Sergeant - Quartermaster-sergeant - Sergeant-major - Ensign - Quartermaster - Total	- - - - - - - - -	3 0 2 5 1 8 3 0 25	2 4 0 8 1 0 10 11 0	25	0	Before	1	-	14	6	6	9	1	Sutlej, Sohraon, Pujaub, Goojerat, Mooltan, Indian Mutiny, Delhi.	-	-	1st Sutlej; 2d. Pujaub; clasp for Mooltan and Goojerat. 3d. Indian Mutiny; clasp for Delhi. 4th. Good Conduct Medal.	Promoted. Ensign for distinguished conduct during the siege of Delhi.	
Penson, Henry	Dep't, R.A.	43½	Gunner - Bombardier and Corporal. Sergeant - Staff Sergeant - Quartermaster - Total	- - - - - -	5 5 7 0 6 25	2 6 4 8 9 5	8	3	Since	-	1 1 2	26 10 12	9	4	4	7	The Crimea, Alma, and Sebastopol.	-	-	1st. Medal and gratuity of 20l. for long service and good conduct. 2d. Crimean and 2 clasps. 3d. Turkish.		
Connolly, T. W. J.	Royal Engineers.	47	Private - Second Corporal - Corporal - Sergeant - Quartermaster-sergeant - Quartermaster - Total	- - - - - - -	6 1 4 8 5 8 33	1 6 1 7 5 0 8	-	-	Before	1 1 1 1 1 1 4	- - 1 1 - 1 1 4	25 20 15 14 12 9 3 1	9	6	2	0		For meritorious service as a non-commissioned officer, with annuity of 10l.	-	-		
Bradford, Michael	Royal Engineers.	48	Private - Corporal - Sergeant - Colour-sergeant - Sergeant-major - Quartermaster - Total	- - - - - - -	4 5 2 3 8 7 33	0 3 3 3 0 6 3	4	6	Before	1 1 1 1 1 1 4	- 1 1 1 - - 2	19 16 14 10 6 2 12	9	6	2	6		For meritorious service as a non-commissioned officer, with annuity of 10l.	-	-		
Yonle, David	Royal Engineers.	56	Private - Second Corporal - Corporal - Staff Sergeant - Quartermaster - Total	- - - - - -	8 2 2 22 5 41	5 11 4 6 5 7	-	-	Before	1 1 - - - - 2	- 1 1 1 1 1 6	19 3 25 23 20 16 2 1	9	6	4	7		For meritorious service as a non-commissioned officer, with annuity of 10l.	-	-		

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Appendix (A).—(a).—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. of 126 Quartermasters of the Army—continued.

NAMES.	Corps.	Age.	AGGREGATE SERVICE.	Service Abroad.	Married before or since being commissioned.	CHILDREN.		Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
						Male.	Female.						
Menzies, James	1st Depot Battalion.	Yrs. 57	Private - - -	Yrs. mos. 1 3	Before	1	-	20	-	-	-	For long and meritorious service as a non-commissioned officer.	
			Corporal - - -	3 1		1	-	17					
			Sergeant - - -	10 1		1	-	9					
			Colour-sergeant - - -	5 0		-	1	24					
			Sergeant-major - - -	8 0		-	1	22					
			Quartermaster - - -	14 2		-	1	15					
M'Kay, William	2d Depot Battalion.	44	Total - - -	41 6	Before	1	1	13	3 2	Kaffir War, 1846-47	-	1st. Kaffir war. 2d. For meritorious service, with annuity of 10 <i>l.</i> as a non-commissioned officer.	
			Private - - -	3 8		3	6	6					
			Corporal - - -	2 7		1	-	8 6					
			Sergeant - - -	3 3		-	-	-					
			Colour-sergeant - - -	8 3		-	-	-					
			Quartermaster-sergeant - - -	1 1		-	-	-					
Goldby, William	3d Depot Battalion.	39	Quartermaster - - -	8 0	Before	1	-	-	10 9		-		
			Total - - -	26 10		1	-	6					
			Private - - -	2 6		-	1	14					
			Corporal - - -	1 3		1	-	12					
			Sergeant - - -	2 1		-	1	11					
			Colour-sergeant - - -	5 7		1	-	8					
Vousden, Thomas	4th Depot Battalion.	40	Quartermaster - - -	7 10	Before	1	-	7	7 10	Crimea, August 1854 to May 1855. Alma. Balaklava. Inkermann. Sebastopol.	Severely, at Inkermann.	1st. Crimean and 4 clasps. 2d. Turkish.	
			Total - - -	19 3		1	-	5					
			Private - - -	2 1		5	3	3					
			Corporal - - -	1 2		1	-	18					
			Sergeant - - -	4 0		-	-	6 6					
			Colour-sergeant - - -	5 0		-	-	7 10					
Smith, Robert	5th Depot Battalion.	43	Quartermaster-sergeant - - -	1 0	Before	1	-	-	7 7	Crimea, December 1854, to the end of the war. Sebastopol. Indian Mutiny, October 1857, to the close.	-	1st. Crimean and 1 clasp. 2d. Turkish. 3d. Indian, with clasps for Lucknow.	
			Sergeant-major - - -	0 4		-	-	8 6					
			Ensign - - -	0 4		-	-	-					
			Lieutenant - - -	1 7		-	-	-					
			Quartermaster - - -	6 8		-	-	-					
			Total - - -	22 2		-	-	-					
Smith, Robert	5th Depot Battalion.	43	Private - - -	1 5	Before	-	-	-	7 7		-		
			Corporal - - -	4 1		-	-	8 6					
			Sergeant - - -	3 1		-	-	-					
			Colour-sergeant - - -	5 2		-	-	-					
			Sergeant-major - - -	1 1		-	-	-					
			Quartermaster - - -	7 7		-	-	-					
Smith, Robert	5th Depot Battalion.	43	Total - - -	22 5	Before	-	-	-	7 7		-		
			Private - - -	1 5		-	-	8 6					
			Corporal - - -	4 1		-	-	-					
			Sergeant - - -	3 1		-	-	-					
			Colour-sergeant - - -	5 2		-	-	-					
			Sergeant-major - - -	1 1		-	-	-					
Smith, Robert	5th Depot Battalion.	43	Quartermaster - - -	7 7	Before	-	-	-	7 7		-		
			Total - - -	22 5		-	-	-					
			Private - - -	1 5		-	-	8 6					
			Corporal - - -	4 1		-	-	-					
			Sergeant - - -	3 1		-	-	-					
			Colour-sergeant - - -	5 2		-	-	-					

Morris, Timothy	6th Depot Battalion.	52	Private - - - - -	2	2	15	3	Before	1	1	1	10	-	-	-	-	1st. Meritorious service as a non-commissioned officer. 2d. Crimean and 2 clasps. 3d. Turkish.
			Corporal - - - - -	0	11							26	24				
			Sergeant - - - - -	6	2				1	1		-	1				
			Colour-sergeant - - - - -	4	6				1	1		-	1				
			Quartermaster-sergeant - - - - -	2	0				-	-		1	10				
			Sergeant-major - - - - -	3	0				-	1		8					
			Ensign - - - - -	0	4				1	1		5					
			Quartermaster - - - - -	16	0				-	1		2					
			Total - - - - -	35	1				4	4							
Watson, William	7th Depot Battalion.	54 ¹³	Private - - - - -	1	8	16	8	Before	1	1		23					1st. Crimean and 1 clasp. 2d. Turkish.
			Corporal - - - - -	0	9				1	1		-	21				
			Sergeant - - - - -	2	11				-	1		19					
			Colour-sergeant - - - - -	9	0				-	1		17					
			Sergeant-major - - - - -	8	3				1	1		14					
			Quartermaster - - - - -	15	2				1	1		12					
			Total - - - - -	37	9				1	1		10					
									-	1		7					
									-	1		5					
									-	1		3					
									-	1		1					
									5	6							
Hodgkinson, Wm.	9th Depot Battalion.	45 ¹³	Private - - - - -	3	0	17	0	Before	1	-		13					For long and meritorious service as a non-commissioned officer. 2d. Indian Mutiny.
			Corporal - - - - -	2	2				-	1		10					
			Sergeant - - - - -	2	8				1	1		2					
			Colour-sergeant - - - - -	5	3				1	1		2					
			Quartermaster-sergeant - - - - -	1	7				3	1		3					
			Sergeant-major - - - - -	6	3												
			Ensign - - - - -	4	6												
			Lieutenant - - - - -	0	3												
			Quartermaster - - - - -	0	11												
			Total - - - - -	36	7												
Anderson, J. H.	10th Depot Battalion.	51	Private - - - - -	3	10	19	1	Before	-	1		12					1st. China. 2d. Meritorious service as a non-commissioned officer. 3d. Crimean and 3 clasps.
			Corporal - - - - -	0	6				-	1		9					
			Sergeant - - - - -	16	4				-	1							
			Colour-sergeant - - - - -	4	0				-	2							
			Quartermaster-sergeant - - - - -	9	0												
			Quartermaster - - - - -														
			Total - - - - -	33	8												
Grier, John	11th Depot Battalion.	46	Private - - - - -	6	6	13	6	Before	-	-		-					1st. Long service and good conduct as a non-commissioned officer. 2d. Crimean and 3 clasps. 3d. Turkish.
			Corporal - - - - -	1	2				-	-		-					
			Sergeant - - - - -	4	4				-	-		-					
			Colour-sergeant - - - - -	3	9				-	-		-					
			Quartermaster-sergeant - - - - -	7	3				-	-		-					
			Ensign - - - - -	0	4				-	-		-					
			Lieutenant - - - - -	2	9				-	-		-					
			Quartermaster - - - - -	6	8				-	-		-					
			Total - - - - -	32	9				-	-		-					

Appendix (A).—(a).—DETAILED STATEMENT OF SERVICES, PAY, FAMILIES, AGES, PERIODS OF SERVICE FOR RETIREMENT, &c. of 126 Quartermasters of the Army—continued.

NAMES.	Corps.	Age.	AGGREGATE SERVICE.		Service Abroad.	Married before or since being Commissioned.	CHILDREN.		Rate of Pay.	Period still to Serve.	CAMPAIGNS, ACTIONS, SIEGES, &c.	WOUNDED.	MEDALS.	DISTINGUISHED.
							Male.	Female.						
Maloney, J.	13th Depot Battalion.	47	Private	Yrs. mos.	Yrs. mos.	Before	1	19	s. d.	Yrs. mos.	China, 1841-42	-	1st China.	2d. Meritorious service as a non-commissioned officer.
			Corporal	-	4 2	10 0	-	14	8 6	2 10	-	-	-	
			Sergeant	-	2 10	-	-	9	-	-	-	-	-	
			Colour-sergeant	-	1 9	-	1	8	-	-	-	-	-	
			Quartermaster-sergeant	-	11 4	-	1	6	-	-	-	-	-	
			Quartermaster	-	2 0	-	1	5	-	-	-	-	-	
Coghlan, Edward	14th Depot Battalion.	42	Quartermaster	-	7 2	-	1	2	-	-	-	-	-	1st. China.
			Total	-	29 3	-	1	1	-	-	-	-	-	
			Boy	-	-	9 6	4	4	-	-	-	-	-	
			Private	-	4 5	Before	1	20	8 6	4 8	-	-	-	
			Corporal	-	0 3	-	1	17	-	-	-	-	-	
			Sergeant	-	2 3	-	1	9	-	-	-	-	-	
Lee, Thomas	15th Depot Battalion.	44	Colour-sergeant	-	6 0	-	1	5	-	-	-	-	-	1st. For meritorious service as a non-commissioned officer.
			Sergeant-major	-	0 9	-	1	3	-	-	-	-	-	
			Sergeant-major	-	0 2	-	1	3	-	-	-	-	-	
			Quartermaster	-	5 4	-	1	3	-	-	-	-	-	
			Total	-	28 2	-	4	2	-	-	-	-	-	
			Private	-	5 1	Before	1	15	6 6	6	Crimea, 1854 to 1856	-	-	
Connor, J.	15th Depot Battalion.	45	Corporal	-	1 1	13 11	1	14	-	-	Alma.	-	-	2d. Crimean and 4 claps.
			Sergeant	-	2 4	-	1	13	-	-	Inkermann.	-	-	
			Colour-sergeant	-	0 0	-	1	8	-	-	Balaclava.	-	-	
			Quartermaster-sergeant	-	0 11	-	1	5	-	-	Sebastopol.	-	-	
			Sergeant-major	-	3 0	-	1	4	-	-	-	-	-	
			Ensign	-	0 6	-	1	2	-	-	-	-	-	
Burke, John	17th Depot Battalion.	47	Quartermaster	-	4 0	-	1	11	-	-	-	-	-	Mentioned in general orders of 9th December 1844, for conspicuous gallantry in the field.
			Total	-	25 11	-	5	3	-	-	-	-	-	
			Private	-	10 2	Before	1	16	8 6	2 10	Scinde, including battles of Meeanee and Hyderabad, 1842-43; Maharratta campaign, 1844-45; and operations in Indian Mutiny of 1857-58; Cawnpore, &c.	-	-	
			Sergeant	-	7 3	-	1	14	-	-	-	-	-	
			Quartermaster-sergeant	-	6 7	-	1	11	-	-	-	-	-	
			Quartermaster	-	7 2	-	1	9	-	-	-	-	-	
Burke, John	17th Depot Battalion.	47	Quartermaster	-	31 2	Before	2	3	-	-	-	-	-	Mentioned in general orders of 9th December 1844, for conspicuous gallantry in the field.
			Total	-	31 2	-	2	3	-	-	-	-	-	
			Private	-	2 11	Before	1	23	8 6	1 5	Mahratta, 1844-45.	-	-	
			Corporal	-	0 10	-	1	21	-	-	Storming of the Pet-	-	-	
			Sergeant	-	2 4	-	1	17	-	-	tans, and capture of	-	-	
			Colour-sergeant	-	6 11	-	1	15	-	-	Renella and Poun-	-	-	
Burke, John	17th Depot Battalion.	47	Sergeant-major	-	3 0	-	1	13	-	-	ghur.	-	-	Mentioned in general orders of 9th December 1844, for conspicuous gallantry in the field.
			Ensign	-	3 5	-	1	11	-	-	-	-	-	
			Lieutenant	-	1 10	-	1	8	-	-	-	-	-	
			Quartermaster	-	8 7	-	3	4	-	-	-	-	-	
			Total	-	29 10	-	3	4	-	-	-	-	-	
			Private	-	2 11	Before	1	23	8 6	1 5	Mahratta, 1844-45.	-	-	

Higgins, Patrick	18th Depot Battalion.	44	Private - - - Corporal - - - Sergeant - - - Colour-sergeant - - Quartermaster - - Total - - -	16 0 8 0 24 0	14 9	Since	-	-	-	8 6	6 0	-	-	-	1st. Crimean. 2d. Turkish.
Drage, W.	19th Depot Battalion.	45	Private - - - Corporal - - - Sergeant - - - Colour-sergeant - - Quartermaster-sergt. Quartermaster - - Total - - -	1 6 0 0 0 11 5 2 5 2 8 3 27 0	1 6	Before	1	-	15 13 9	8 6	3 0	-	-	-	Crimea, 1855-56
Knight, Thomas	20th Depot Battalion.	48	Private - - - Corporal - - - Sergeant - - - Staff Sergeant - - Quartermaster - - Total - - -	5 0 6 0 1 0 8 0 8 0 23 0	-	Before	-	-	18 16 13 11 9 6 4	8 6	2 0	-	-	-	
Browne, W.	22d Depot Battalion.	49	Private - - - Corporal - - - Sergeant - - - Sergeant-major - - Quartermaster - - Total - - -	5 1 1 1 7 10 7 4 9 4 30 8	13 0	Before	-	-	20 18 15 12 10 7 3	8 6	0 8	-	-	-	For meritorious service when a non-commissioned officer.
Robertson, John	23d Depot Battalion.	39	Private - - - Corporal - - - Sergeant - - - Colour-sergeant - - Quartermaster-sergt. Quartermaster - - Total - - -	1 7 4 4 5 6 3 8 4 3 1 8 21 0	8 0	Before	-	-	15 11 9	6 6	9 0	-	-	-	1st. For meritorious service in the field, 25th September 1857, and 15 l. annuity. 2d. Persian, and 1 clasp. 3d. Lucknow, and 1 clasp.
Nevell, William	70th Foot	44 1/2	Under age - - - Private - - - Corporal - - - Sergeant - - - Colour-sergeant - - Sergeant-major - - Quartermaster - - Total - - -	1 0 1 4 2 1 1 7 8 3 5 0 8 3 27 6	18 0	Before	-	-	9 7	6 6	3 6	-	-	-	By a musket ball through the head at Lucknow, on the 25th Sept. 1857. Persian campaign of 1857 India, 1857-58, including all the operations for the relief of Lucknow, and its subsequent defence. The Alumbagh and battle of Bareilly, &c. Served in Indian Mutiny, 1857-58.

ANALYSIS OF THE DETAILED STATEMENT.

(b.)—RETURN showing the GRADES from which QUARTERMASTERS are APPOINTED.

										TOTALS.
From Combatant Grades -	Lieutenants	-	-	-	-	-	-	-	-	5
	Adjutants	-	-	-	-	-	-	-	-	1
	Second Lieutenants and Ensigns	-	-	-	-	-	-	-	-	7
	Cornets	-	-	-	-	-	-	-	-	7
	Sergeant Majors	-	-	-	-	-	-	-	-	34
	Troop Sergeant Majors	-	-	-	-	-	-	-	-	7
	Colour Sergeants	-	-	-	-	-	-	-	-	9
	Sergeants	-	-	-	-	-	-	-	-	3
Total										73
From Non - Combatant Grades -	Ridingmaster, Royal Horse Artillery	-	-	-	-	-	-	-	-	1
	Deputy Assistant Commissary General, Field Train	-	-	-	-	-	-	-	-	1
	Commissariat Department	-	-	-	-	-	-	-	-	2
	Quartermaster Sergeants	-	-	-	-	-	-	-	-	41
	Staff Sergeants, Royal Artillery and Royal Engineers	-	-	-	-	-	-	-	-	4
	Paymaster Sergeants	-	-	-	-	-	-	-	-	2
	Hospital Sergeants	-	-	-	-	-	-	-	-	1
Total										52
Number with previous Grade not stated										1
GENERAL TOTAL										126

(c.)—RETURN showing the NUMBER MARRIED.

										TOTALS.
Before being commissioned										106
Since being commissioned										14
TOTAL										120
Number not married										6
										126

(d.)—RETURN showing the NUMBER of CHILDREN in each FAMILY, and RATES of PAY of the QUARTERMASTERS.

Number of Officers.	Number of Children in each Family.	WITH RATES OF PAY OF								GRAND TOTAL.
		Military Train and Infantry.	Royal Artillery.	Cavalry, Military Train, and Infantry.	Royal Artillery.	Royal Engineers.	Infantry.	Cavalry.	Cavalry.	
		6 s. 6 d.	7 s. 10 d.	8 s. 6 d.	9 s. 4 d.	9 s. 6 d.	10 s.	10 s. 6 d.	12 s.	
11	1	7	-	4	-	-	-	-	-	
17	2	7	1	8	1	-	-	-	-	
14	3	6	-	5	1	-	1	1	-	
11	4	3	-	6	1	-	1	-	-	
20	5	9	-	7	1	-	1	2	-	
14	6	6	-	6	-	1	-	-	1	
5	7	1	-	4	-	-	-	-	-	
6	8	2	-	1	-	2	1	-	-	
1	9	-	-	-	-	-	1	-	-	
1	11	-	-	-	-	-	1	-	-	
20	None	7	-	10	-	-	-	1	2	
Total Married } 120	418 Children.	48	1	51	4	3	6	4	3	120
Unmarried -	-	3	-	3	-	-	-	-	-	6
GRAND TOTAL		51	1	54	4	3	6	4	3	126

(e) TABULAR STATEMENT of the SERVICES of the QUARTERMASTERS.

Y E A R S.	1. Before Ap- pointment as Quarter- masters.	2. Abroad.	3. Number who can Retire with Service as Officers.	4. Number who must have an Aggregate Service for Retirement on 10 s.	5. With Periods to Serve before Eligible for Retirement.
Nil	1	3	-	-	9
Under 1 -	-	2	-	-	3
1 and under 2	1	4	-	-	4
2 "	-	9	-	-	9
3 "	-	4	-	-	11
4 "	-	3	-	-	8
5 "	1	3	-	-	6
6 "	1	-	-	-	8
7 "	-	6	-	-	9
8 "	-	8	-	-	8
9 "	1	6	-	-	13
10 "	3	7	39	-	7
11 "	2	5	13	-	8
12 "	4	7	6	-	7
13 "	6	8	11	-	4
14 "	6	8	13	-	4
15 "	7	6	9	-	2
16 "	9	9	6	-	1
17 "	8	7	12	-	2
18 "	11	3	1	-	1
19 "	9	5	2	-	-
20 "	6	4	3	-	1
21 "	7	2	3	-	-
22 "	13	-	1	-	-
23 "	5	-	3	-	-
24 "	6	1	1	-	-
25 "	1	1	1	-	-
26 "	4	1	-	-	-
27 "	3	-	-	-	-
28 "	-	1	-	-	1
29 "	2	-	1	-	-
30 "	-	1	1	65	-
31 "	-	1	-	13	-
32 "	1	1	-	12	-
33 "	-	-	-	6	-
34 "	1	-	-	10	-
35 "	-	-	-	3	-
36 "	1	-	-	5	-
37 "	-	-	-	4	-
38 "	-	-	-	1	-
39 "	-	-	-	2	-
40 "	-	-	-	-	-
41 "	-	-	-	2	-
42 "	-	-	-	1	-
43 "	-	-	-	-	-
44 "	-	-	-	1	-
45 "	-	-	-	-	-
46 "	-	-	-	1	-
GENERAL TOTALS	126	126	126	126	126

(f) AGES of the QUARTERMASTERS.

Y E A R S.	1. At Present.	2. Probable on Retirement.
25 and under 26	-	-
26 " 27	-	-
27 " 28	-	-
28 " 29	-	-
29 " 30	-	-
30 " 31	-	-
31 " 32	1	-
32 " 33	1	-
33 " 34	4	-
34 " 35	6	-
35 " 36	7	-
36 " 37	4	-
37 " 38	7	-
38 " 39	2	-
39 " 40	8	-
40 " 41	8	-
41 " 42	7	-
42 " 43	8	-
43 " 44	6	-
44 " 45	13	-
45 " 46	10	-
46 " 47	4	-
47 " 48	5	-
48 " 49	4	48
49 " 50	2	16
50 " 51	2	19
51 " 52	2	9
52 " 53	2	10
53 " 54	1	6
54 " 55	3	4
55 " 56	2	3
56 " 57	4	2
57 " 58	2	5
58 " 59	-	1
59 " 60	1	-
60 " 61	-	1
61 " 62	-	-
62 " 63	-	2
Average Ages.		
At present	43 yrs.	
On retirement	51	
GENERAL TOTALS	126	126

Explanatory Remarks to Table of Services.

Columns 1 and 2 show, respectively, the number of quartermasters who have served previous to commission, and have served abroad, for the periods specified, in the same line in the left hand column; thus, one quartermaster with no non-commissioned service, one with one year, one with five years, and so on up to 36 years; three who have never served abroad, two with one year, and one with 32 years, foreign service, the majority ranging between these periods.

Column 3 shows, that only 39 can retire with the minimum service as officers of 10 years, the remaining 87 having to complete various periods of commissioned service, ranging up to 30 years.

Column 4 shows, that 65 will be able to retire with the minimum aggregate service of 30 years, the remaining 61 not being able to retire under periods of service ranging up to 46 years.

Column 5 shows, that only nine quartermasters have completed service for retirement, three have less than a year to complete, and so on up to 28 years.

(g) RETURN showing the Number of MEDALS, HONORARY DISTINCTIONS, &c. conferred on the QUARTERMASTERS, and the CAMPAIGNS in which they have served.

1. War Medals.	2. For distinguished Conduct in the Field.	3. Victoria Cross.	4. Légion d'Honneur.	5. For Long and Meritorious Service.	TOTAL Medals.	TOTAL Number of Clasps conferred for Actions.	C A M P A I G N S.
191	9	3	2	30	235	202	Canadian and Ceylon Rebellions, Affghan, Mahratta, Burmese, Sutlej, Punjaub, Kaffir, Crimean, Persian, Chinese, and New Zealand Wars, and Indian Mutiny.

(h) RETURN showing the ANNUAL VALUE of GOVERNMENT STORES RECEIVED, ISSUED, and ACCOUNTED FOR, by Quartermasters of various Services on the Home Establishment, and ANNUAL AMOUNT of CASH ACCOUNTS rendered by the same Officers relative to Regimental Expenditure.

SERVICE.	Annual Value of Articles received from the Government Stores in Bulk, issued in Detail, and accounted for by the Quartermaster.										Annual Amount of the Monthly and Quarterly Cash Accounts rendered by the Quartermaster for the following Items :—					
	Clothing.	Necessaries.	Rations and Forage.	Ammunition.	Fuel.	Saddlery and Arms.	Miscellaneous.	TOTAL.	Necessaries.	Rations and Forage.	Pay, &c., of Regimental Workmen.	Barrack Department Charges.	Making up Clothing.	Miscellaneous.	TOTAL.	
Regiment of Cavalry	£. s. d. - 2,470 - -	£. s. d. 482 - -	£. s. d. 17,964 - -	£. s. d. 200 - -	£. s. d. 348 - -	£. s. d. 465 - -	£. s. d. 160 - -	£. s. d. 22,089 - -	£. s. d. 482 - -	£. s. d. 17,964 - -	£. s. d. 210 - -	£. s. d. 240 - -	£. s. d. 1,250 - -	£. s. d. - -	£. s. d. - 20,146 - -	
Brigade of Artillery	£. s. d. - 5,841 5 10	£. s. d. 900 3 4	£. s. d. 31,343 8 4½	£. s. d. - -	£. s. d. 400 - -	£. s. d. - -	£. s. d. - -	£. s. d. 38,484 17 6½	£. s. d. 312 - -	£. s. d. 31,343 8 4½	£. s. d. - -	£. s. d. - -	£. s. d. 330 15 6½	£. s. d. 293 4 4½	£. s. d. 32,279 8 3½	
Battalion of Military Train	£. s. d. 1,187 17 5	£. s. d. 263 6 1	£. s. d. 7,202 8 -	£. s. d. 10 19 9	£. s. d. 381 10 1	£. s. d. 542 4 7	£. s. d. 365 17 7	£. s. d. 9,954 3 6	£. s. d. 195 - 2	£. s. d. 7,202 8 -	£. s. d. 268 1 4	£. s. d. 53 8 2	£. s. d. 187 17 7	£. s. d. 9 7 6	£. s. d. 7,916 2 9	
Battalion of Infantry	£. s. d. - 3,044 18 ' 6	£. s. d. 679 12 -½	£. s. d. 5,695 13 -	£. s. d. 570 - -	£. s. d. 373 11 9	£. s. d. 10 - -	£. s. d. 234 - -	£. s. d. 10,607 15 3½	£. s. d. 600 - -	£. s. d. 5,695 13 -	£. s. d. 346 3 9	£. s. d. 107 9 7	£. s. d. 157 2 -	£. s. d. 27 - -	£. s. d. 6,933 8 4	
Depôt Battalion	£. s. d. - 4,500 15 10	£. s. d. 3,000 10 7	£. s. d. 8,000 6 8	£. s. d. 600 - -	£. s. d. 800 - -	£. s. d. - -	£. s. d. 70 - -	£. s. d. 16,971 13 1	£. s. d. 1,700 - -	£. s. d. 8,000 6 8	£. s. d. 800 - -	£. s. d. 450 13 -	£. s. d. 200 8 9	£. s. d. 43 1 -	£. s. d. 11,194 9 5	

Note.—The foregoing Return having been hastily compiled, the various sums represented for the different Services are shown below the average.

The Quartermaster is of course, in all the supplies (of which he alone has charge, and keeps the account), responsible for any loss or deficiency that may occur after he receives them into his charge.

APPENDIX (B).

INFANTRY QUARTERMASTERS.—COMPARATIVE STATEMENT of the ANNUAL PAY, VALUE of FREE ISSUES, and ALLOWANCES, before and after being Commissioned (with a Wife and Four Children in each Family.*

	IN THE UNITED KINGDOM.										IN THE COLONIES.									
	As Sergeant Major.					As Quartermaster.					As Sergeant Major.					As Quartermaster Sergeant.				
	s. d.	£. s. d.	s. d.	£. s. d.	s. d.	s. d.	£. s. d.	s. d.	£. s. d.	s. d.	s. d.	£. s. d.	s. d.	£. s. d.	s. d.	s. d.	£. s. d.	s. d.	£. s. d.	s. d.
365 days' full pay	3	57 15 10	2	48 13 4	6	118 12 6	3	57 15 10	2	48 13 4	6	118 12 6	3	57 15 10	2	48 13 4	6	118 12 6	3	57 15 10
365 days' beer money	1	1 10 5	1	6	—	—	—	6	—	—	—	—	6	—	—	—	—	—	—	—
Value of annual clothing	—	6	—	3	—	—	—	8 19 6½	—	—	—	—	8 19 6½	—	—	—	—	—	—	—
Value of rations of provisions	—	8 19 6½	—	—	—	—	—	13 9 3	—	—	—	—	13 9 3	—	—	—	—	—	—	—
Value of free rations to family	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Marking clothing and necessaries	—	—	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total A.	—	74 6 —	—	85 3 6½	—	—	—	86 4 10½	—	—	—	—	86 4 10½	—	—	—	—	—	—	—
DEDUCTIONS.																				
365 days' rations (at Home)	—	5 6 5½	—	5 6 5½	—	—	—	5 4 8½	—	—	—	—	5 4 8½	—	—	—	—	—	—	—
Or, 359 days' rations on shore (Abroad)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
And 6 days' rations at Sea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Three children at Regimental School	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subscription to Garrison Library	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ditto - to Regimental Mess	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Extra Mess expenses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Band subscription	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
One soldier servant	—	1 10 —	—	—	—	—	—	1 10 —	—	—	—	—	1 10 —	—	—	—	—	—	—	—
One soldier as groom	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Clothing for servants	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Horse expenses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Income tax (less abatement)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Barrack damage charges	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sheet washing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Railway fare on changes of station	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Deduct from Total at A.	—	9 14 5½	—	9 14 5½	—	—	—	8 10 8½	—	—	—	—	8 10 8½	—	—	—	—	—	—	—
For Explanatory Remarks (see next page).	—	64 11 7½	—	75 9 1½	—	—	—	77 14 2½	—	—	—	—	77 14 2½	—	—	—	—	—	—	—

TABLE showing the ACTUAL DIFFERENCE between the respective RANKS.

	IN THE UNITED KINGDOM.										IN THE COLONIES.									
	Sergeant Major.					Quartermaster Sergeant.					Sergeant Major.					Quartermaster Sergeant.				
	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.	With Annuity of £. 20.	Without Annuity.	With Annuity of £. 15.
A Quartermaster receives more	26	9	1	11	9	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
A Quartermaster receives less	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* 106 Quartermasters were married before being Commissioned out of 126, whose services have been analysed. The average number of children in each family is 4½.

A. COMPENSATION RATES FOR CLOTHING.

(Vide Royal Warrant, 10 October 1862.)

	£.	s.	d.
$\frac{1}{2}$ Cost of chaco, a biennial issue -	-	6	-
$\frac{1}{2}$ " serge trowsers, ditto -	-	8	9
$\frac{1}{2}$ " great coat -	-	10	4 $\frac{1}{2}$
$\frac{1}{2}$ " leggings -	-	1	1 $\frac{1}{4}$
Full amount for tunic, an annual issue -	2	16	-
" cloth trowsers, ditto -	1	1	-
" two pairs boots, ditto -	-	17	-
£.	6	-	3

B. AVERAGE COST OF PROVISIONS PER MAN.

(Vide Army Estimates, 1863-4.)

£. 8. 19s. 6 $\frac{1}{2}$ d.

C. MESSING AND RATIONS.

Allowance at Public Cost to Soldiers' Families.

	Wife.	Children under 7 Years of Age.	Children above 7 and under 14 Years of Age.
At home -	-	-	-
Abroad -	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{4}$

At sea receive also free issues.

Allowance to Officers and their Families.

At home -	-	-	-	None.
Abroad -	-	-	-	{ One ration for the officer. None for his family.

At sea, rations on repayment.

Per diem -	the officer	-	3 s. 6 d.	} 18 s. 6 d.
" -	the wife	-	7 s. 0 d.	
" -	four children	-	8 s. 0 d.	

D. MARKING ALLOWANCES ANNUALLY.

	£.	s.	d.
Clothing for 751 men, at 3 $\frac{1}{2}$ d. -	10	19	- $\frac{1}{2}$
Great coats, 751 at 2d., $\frac{1}{3}$ of triennial charges -	2	1	8 $\frac{3}{4}$
Leggings, 751 at 1d., $\frac{1}{3}$ of triennial charges -	1	-	10 $\frac{1}{4}$
Havresacks, at $\frac{1}{2}$ d., $\frac{1}{3}$ of triennial charges -	-	10	5
Marking necessities, free kits, accoutrements -	12	-	-
	26	12	- $\frac{1}{2}$
Deduct Cost of ink, paint, branding } irons, punches, and type - }	6	12	- $\frac{1}{4}$
Balance for the quartermaster sergeant £.	20	-	-

E. EDUCATION AT REGIMENTAL SCHOOL.

No.	Children of Officers.		Children of Non-Commissioned Officers and Soldiers.	
	Monthly.	Annually.	Monthly.	Annually.
One child -	£. s. d. - 5 -	£. s. d. 3 - -	s. d. - 2 -	s. d. 2 -
Two children -	- 7 6	4 10 -	- 3 -	3 -
Three do. -	- 10 -	6 - -	- 3 -	3 -
Four do. -	- 12 6	7 10 -	- 4 -	4 -
Five do. -	- 15 -	9 - -	- 5 -	5 -
Six do. -	- 17 6	10 10 -	- 6 -	6 -
Seven do. -	1 - -	12 - -	- 7 -	7 -
&c. &c. &c.				

No distinction in instruction, or other respect, is permitted in the school.

Each additional child costs an officer 1l. 10s., a N.C. officer, 1s.

F. REGIMENTAL SUBSCRIPTIONS, &c.

An officer may join the Garrison Library for one day's pay annually -	-	-	6	6	s. d.
Do. a N.C. officer or soldier -	-	-	1	-	

G.

The subscriptions to mess and band are compulsory.

Entertainments to other corps, public guest nights, and share in cost of newspapers, &c. are a serious and additional drawback to the officers.

H. HORSE EXPENSES.

In the Colonies a quartermaster's duties compel him to keep a horse, which he must purchase.

The public provides forage in kind, but the original and subsequent cost of saddlery, cost of bedding or straw, shoeing, farriery, and cleaning materials, with wages and clothing for the soldier acting as groom, must be paid for by the quartermaster.

I. BARRACK CHARGES.

Non-commissioned officers and soldiers invariably get quarters or lodging allowance, and bedding, barrack furniture, &c., at the public cost.

The quartermaster, always ranking as a subaltern, is often unable to get more than one small room, and is then, if married, compelled, for decency's sake, to go into lodgings, or take a house, and is not, under those circumstances, entitled to lodging allowance,—receiving merely the value of the fuel to which, in barracks, he would have been entitled.

When in barracks, the quartermaster must purchase or hire bedding, furniture, &c.

K. CHANGES OF STATION.

In many corps, on changes of station, the railway fare of the soldiers' families is wholly, or in part, defrayed from the baggage fund.

In

In proceeding coastwise, or to foreign stations, the soldiers' families are entitled to passage and messing at the public cost.

The quartermaster must pay a higher rate of conveyance by railway for his family; and though passages are not charged for when there is sufficient cabin accommodation, he is liable for the charge, and not unfrequently has to meet it.

GENERAL REMARKS.

Many of the quartermasters serving, held, previous to their promotion, annuities for distinguished and meritorious conduct, varying in amount from 10 *l.* to 20 *l.*, which they were compelled to give up.

A greater number, at the time of promotion, were entitled, for their service in the ranks, to pensions of 2 *s.*, 2 *s.* 3 *d.*, or 2 *s.* 6 *d.* per diem, which is thus saved to the revenue, and could be made available for improving their present pay.

In calculating the cost of quartermasters, the pensions and annuities held by them, or to which they would otherwise have been entitled, should be deducted from their present rates of pay.

Pecuniarily, the quartermaster is in a much worse position; for, when a non-commissioned

officer, he received quarters, bedding, clothing, free rations abroad, passages at sea, and frequently by land, for his family, all at the public cost, and the same education for his children for 3 *s.* per annum, that he as an officer now pays 6 *l.* for.

In the comparative statement no sum is put down for the provision of uniform and other clothing which the quartermaster must appear in and pay for; and the estimated cost of messing for his family at sea is stated at the lowest average. A voyage to the West Indies, to the Cape, or Australia, raises a fearful expenditure for messing at sea.

Other expenses have to be met, which may be imagined to be something serious, in the frequent changes of station to which corps are liable.

An officer who when serjeant-major received pay of 3 *s.* 2 *d.* per diem, with the annuity of 20 *l.* per annum, in all 77 *l.* 15 *s.* 10 *d.*, on promotion to quartermaster, receives only an additional sum of 40 *l.* 16 *s.* 8 *d.*, which in the Colonies is not sufficient to defray the extra expenses his new rank entails, which amount to 44 *l.* 9 *s.* 8½ *d.*, exclusive of uniform.

In the United Kingdom, the Quartermaster's income, after deducting the items mentioned on other side, is 1 *l.* 15 *s.* 0½ *d.* weekly. In the Colonies it averages only 1 *l.* 11 *s.* 11½ *d.*

APPENDIX C.

COPY of certain Parts of the Correspondence relating to the Condition of the Regimental Quartermasters of the Army, from a Return furnished to the House of Commons 3 July 1863.

Sir, Gibraltar, 13 March 1859.

I HAVE the honour to forward, and request you will submit for the favourable consideration of His Royal Highness the General Commanding in Chief, the accompanying letter, memorial, and statement from Quartermaster Haden, of the battalion under my command.

In transmitting them I beg to be permitted to observe, that from my own knowledge of the duties of a quartermaster, and after a careful perusal of them, as stated in the above-mentioned documents, I do not consider that they are therein exaggerated.

I therefore respectfully recommend the memorial to His Royal Highness's support, in the hope that, if unable to comply with the full prayer of the petitioner, at any rate some amelioration of the position of a quartermaster may be the result.

I have, &c.

(signed) *R. MacLeod Fraser*,
Lieutenant-Colonel Commanding
2d Battalion, 6th Foot.

The Military Secretary,
Horse Guards.

Sir, Gibraltar, 10 March 1859.

IN requesting you will have the goodness to forward the enclosed memorial and statement to His Royal Highness the General Commanding in Chief, may I hope you will favourably recommend its consideration?

One of a class, and the only class, of staff officers without a department at the head quarters
123.

of the army (though the representatives in their corps of many departments), without rank, interest, or hope, except from the intervention of His Royal Highness, who has inaugurated so many reforms, I am aware that an objection may be made to the length of my statement.

It is an important subject, but indifferently treated, and could not be conveniently curtailed.

I can only account for the peculiar disadvantages of my class by the belief that the duties are but little known. I wish, therefore, to point out the vast difference between the real and the actually defined duties.

I do not complain of their nature or quantity (although at times overwhelming), but of the inadequate pay, the absolute want of rank (real or relative), non-promotion, and want of proper and authorised assistance.

During the last few years many clerkships and situations hitherto filled by civilians, at high salaries, in staff and departmental offices, storekeeperships in arsenals, &c., have been thrown open to non-commissioned officers, of the army, with great advantage and saving to the public service.

It does not, therefore, follow that the class of recruits has been better of late years than formerly, but that recent events have exploded the idea engendered (during a long European peace) in the public mind, that the ranks contain none but the dregs of society.

The "peculiar disadvantages" attached to the only commission that can be considered exclusively filled from the ranks cannot but have an injurious effect in deterring thinking and intelligent men from entering the army.

Why officers who have spent the best years of their lives in the ranks, wherever duty has sent them, should, in this particular grade, be for ever afterwards classed as non-combatants, and debarred the promotion to which active service leads, I have never been able to explain to inquiring civilians, nor can I understand it myself.

Committing the enclosure to your care,

I have, &c.
(signed) *Samuel Haden*,
Quartermaster 2d Batt.,
6th Foot.

Lieut.-Col. R. M. Fraser,
Commanding 2d Batt. 6th Foot,
Gibraltar.

To His Royal Highness the Duke of *Cambridge*,
K.G., K.P., G.C.B., G.C.M.G., &c. &c., Commander-
in-Chief of the Forces.

The Memorial of Quartermaster *Samuel Haden*,
of the 26th Regiment.

Humbly sheweth,

THAT the quartermasters of the army, being exclusively appointed from non-commissioned officers, are the only class of officers without progressive rank, their relative rank being invariably that of subalterns.

That the pay and allowances of quartermasters bear no comparison with the difficult, arduous, and responsible nature of their duties.

That the duties being undefined are but little known, and, therefore, cannot be appreciated.

That memorialist, in the accompanying papers, has given a faithful account of the duties, the pay and rewards, as also of the grievous disadvantages, attached to the rank.

That memorialist earnestly and most respectfully entreats early and favourable consideration of his class, in the confident hope that your Royal Highness, in justice to deserving officers, will be pleased to recommend, for Her Most Gracious Majesty's approval, an improvement in their position—

By a general revision of the existing warrants for pay, pensions, and compassionate allowances, &c.;

By placing the quartermaster in the same position as an adjutant—that of an effective subaltern, progressing as such for a captaincy, and receiving an equal addition of pay for the performance of the duties of his staff rank;

By opening the situation of paymaster, generally, to quartermasters;

By extending the age at which subaltern officers can enter the Commissariat Department;

By defining the duties of quartermaster; and

By authorising for the due performance of his duties an office, a clerk, and storeman.

And memorialist, as in duty bound, will ever pray.

(signed) *Samuel Haden*,
Quartermaster 2d Battalion,
6th Foot.

Gibraltar,
10 March 1859.

THE DUTIES OF QUARTERMASTERS.

AFTER much examination of the subject, I have arrived at the conclusion that the disadvantages, as regards rank and pay, under which the class suffer, may be attributed to the circumstance

that their duties, as referred to in Her Majesty's Regulations and Royal Warrants, would appear to be of so simple a nature, so easy of performance, and with so little apparent responsibility and trouble, that any non-commissioned officer of ordinary capacity would be capable of fulfilling them, and sufficiently rewarded after a long service by obtaining the commission, and serving at a uniform rate of pay until enabled to retire.

It must be borne in mind, that until the 3d November 1849, no increase was ever given in the rate of full pay (6*s.* 6*d.*), the maximum rate of half-pay being the same in amount but a short time previously.

I am sustained in the foregoing conclusion from the circumstance that a great and very difficult portion of the duties, *i. e.*, as regards clothing, has never been prominently before the War Office authorities—under the old system of clothing the army, all accounts, returns, and documents, &c. having been rendered to regimental agents.

I will take the liberty of giving as concisely as possible all the information that a Commission, if appointed to inquire into the subject, could collect in reference to

THE DUTIES OF QUARTERMASTER AS DEFINED BY REGULATIONS.

All ammunition not in possession of the men to be kept in the barrack-store or magazine, and to be carried, with other regimental stores, under the special charge of the quartermaster.

The delivery of ammunition to be made by the quartermaster to the captains or officers commanding troops or companies personally, upon receipts for the same.

The quartermaster will be held responsible that he so regulates this point of his duty as to prevent the necessity of entrusting the key of the magazine to any subordinate authority.

Broken ammunition to be sent for exchange and delivery into store to the quartermaster, who is to keep distinct accounts of the service, practice, &c. under his charge.

That there may be no misunderstanding or dispute as to the articles for which officers, non-commissioned officers, and men are accountable, on the marching in of troops, inventories (separate and distinct from the general inventory prepared and kept by the barrack-master) are to be made out for officers' and soldiers' rooms, hospital wards, and stables; which are to comprise every article under each head of furniture, bedsteads, bedding, utensils, and stores of every description, as well as fixtures in each room, ward, or stable. These inventories are to be dated and signed by the barrack-master, and the officer occupying the room; if a soldier's room, by the commanding officer or quartermaster; if an hospital ward, by the medical officer, or by the hospital serjeant; and if a stable, by the quartermaster, or by the troop serjeant-major.

The quartermaster with the barrack-master to inspect all unoccupied portions of barrack buildings, to verify their condition, fittings, and furniture.

The quartermaster to report to the commanding officer every particular respecting articles of barrack equipment, deficiencies, &c.

When stores are issued by the barrack-master, or received by him when returned by the troops, the quartermaster or other commissioned officer is to be present.

Ammunition.
Queen's Regulations, pages 106-7, paras. 9 to 17.

Circular Memorandum, Horse Guards, 4 November 1858.

Barracks.
Queen's Regulations, page 226, para. 6.

War Office Circular, No. 197. 30 December 1857. Barracks. Queen's Regulations, page 228.

Queen's Regulations, page 229.

The

Queen's Regulations, page 229.

The barrack chimneys are to be periodically and properly swept, the contractor's bill for the performance of the work is to be supported by a certificate from the quartermaster that the service has been duly executed.

Queen's Regulations, page 231.

At barrack inspections, the quartermaster to be furnished by the barrackmaster with a list of damages noted at the previous inspection, in order that it may be ascertained whether the repairs have been duly effected, and to enable the commanding officer to make his report on the subject.

Queen's Regulations, page 232.

At marching-out inspections, a captain or lieutenant, with the quartermaster, to accompany the barrackmaster in giving over the barracks and assessing the damages.

Queen's Regulations, page 244.

When cavalry relieve at stations where there is no barrack, the ridingmaster, quartermaster,

or other officer, to remain and give over any articles in their possession to the relieving corps.

Quartermasters to accompany the barrackmaster and a captain monthly at the inspection of books, &c. barrack libraries.

Queen's Regulations, page 243.

Returns to be furnished in duplicate to barrackmasters:—

Queen's Regulations, page 251.

- 1st. Fuel returns.
- 2d. Requisitions for straw.
- 3d. Washing certificate.
- 4th. Lodging-money return.

A return to be sent quarterly to commissariat storekeepers, showing the sums paid for damages and deficiencies, and for washing sheets, &c. &c. &c.

Queen's Regulations, page 236; form at page 251.

A Table of Books to be kept by the quartermaster:—

Books. Queen's Regulations, page 362.

1.	2.	3.	4.	5.
Account of Clothing.	Account of Accoutrements and Saddlery.	Account of Arms and Ammunition.	Account of Fuel, Forage, and Provisions.	Letter Book.

The books are to contain correct accounts of all articles of clothing, accoutrements, arms, ammunition, fuel, forage, provisions, &c., and to show the manner in which the same are distributed, with entries of all letters written by the commanding officer, or by his orders.

Camp. Queen's Regulations, pages 261, 262.

In camps, a quartermaster per brigade will be detailed daily, whose duty is to attend to the cleanliness of the camp, and to take care that all broken glass and filth of every kind is removed.

Clothing and necessaries, free kits, accoutrements, greatcoats, &c. Royal Warrant of 24 August 1857.

The recent organization of a separate department at the War Office for the provision of army clothing, has caused a complete revolution in the system hitherto in force. The Royal Warrant of 24th August 1857, whilst introducing changes, lays down explicit instructions for nearly every contingency, but at the same time has made much additional work for the quartermaster.

The numerous documents which are now required to vouch the contingent account, the constant attention required in making the issues, accounting for the alterations which occur in the strength, by the frequent promotions and reductions of non-commissioned officers, the packing, unpacking, stock-taking, and examination (which on foreign service it becomes the more necessary to make to prevent deterioration from climate or insects), are matters which in other departments would be considered sufficient occupation for one person.

The cash responsibility, which is stated to devolve upon the paymaster, rests in reality unmistakably upon the quartermaster, the former officer having only to account for the sums placed to his credit upon the Contingent Estimates;—the quartermaster having to interpret the warrant, prepare and pay all accounts, recover and credit all sums received for extra issues of clothing, issues of accoutrements, and greatcoats, sales of part-worn clothing, make good deficiencies in store, and finally repay any disallowance which the examiners may make in the Contingent Accounts.

These are matters which might really be shown in the undefined duties of a quartermaster; the Royal Warrant being of such recent date as to justify the opinion that the detailed duties in relation to clothing not having hitherto been

under the notice of the War Department, when improvements in the situation of quartermasters have been under consideration, their extent and importance were only known during the old system to the regimental agents.

Ten per cent. of the annual clothing to be applied for in material in future, and, in addition, one piece each of tunic and trowsers cloth, when necessary, for the purpose of making alterations in suits which, otherwise unserviceable, may be brought into use.

Circular, No. 373, War Office, 7 January 1859—51—General, No. 1406.

The quartermaster to send in a statement of the suits so altered, the cloth in each case used, &c. &c. &c.

Necessaries. Explanatory directions, page 73, July 1848.

The quartermaster is to keep a general account of the necessaries under his charge, showing the total number of articles of each description received by him, and specifying the price to be paid by the soldier for each article, as fixed by a regimental committee, including the charge of three per cent. required in the Royal Warrant; he is also to keep a separate account with each troop or company, showing the number and description of articles delivered out by him from time to time for the men thereof; and he is to carry the aggregate of these deliveries quarterly to his general account of stores, and deduct it therefrom, so as to show the balance remaining in store at the termination of each quarter, according to the forms prescribed in the quartermaster's books.

The quartermaster is not to issue the necessaries except on written requisitions, to be furnished in duplicate by the officers in command of troops or companies; one copy of which is to be delivered to the regimental paymaster, to enable him to charge the proper amount of stoppages against each troop or company, and the other copy is to be retained by the quartermaster as a voucher for his store accounts.

At the end of each quarter a committee of the officers commanding companies count the articles in store, compute their value at the issuing prices determined upon by the original committee of inspection, compare the general store account of the quartermaster with the companies' requisitions and separate accounts, the tradesmens' invoices, &c., and ascertain that the aggregate value

value of the necessaries remaining correspond or otherwise, with the sums shown in the paymaster's account as due to the tradesmen and per cent. fund respectively; reporting to that effect to the commanding officer.

"If a deficiency be found either in the store or the accounts, it must be immediately made good by the parties responsible;" this can alone refer to the quartermaster.

The quartermaster is on no account to be permitted to give orders for supplies of necessaries, nor to deal therein with the soldiers, nor to have any pecuniary transaction with the tradesmen; but is simply to act in the capacity of storekeeper, and to issue the articles to the non-commissioned officers, and men on the written orders or requisitions of the officers in command of troops or companies.

Annual returns to be made to the Secretary at War, on the 1st April in each year, by every corps, &c., after a careful inspection of the greatcoats by the commanding officers and quartermasters.

The greatcoats of militia volunteers to cavalry regiments to be returned by the quartermaster to the corps from which received.

Badges of distinction will be supplied on application in the usual annual requisition for clothing, and are to be retained in the quartermaster's store for issue under the provisions of these regulations.

Handcuffs for deserters to be supplied from regimental stores.

The duties of a quartermaster in reference to the rations are not in any way defined by regulations, but on land or sea are equally difficult and important, and take up a considerable portion of time in their performance, and in keeping the requisite accounts.

The want of uniformity in the rates of fuel and other allowances at different foreign stations, where, in regard to climate and the description of rations issued, no material difference exists, is an invariable source of complaint on the part of individuals, and entails much correspondence, the preparation of which falls upon quartermasters. This remark, in fact, applies generally, as well to barrack allowances as to rations, and the general routine in different commands.

Local general orders and regimental custom agree in fixing all responsibility upon the quartermaster, as to the quality, the reception in bulk, the storage and issue in detail, the examination in companies' accounts, the preparation of all accounts, returns, &c., and the risk of all possible losses in connection therewith.

Where any benefit can be derived by obtaining the assistance of the Commissariat Department, by contract or otherwise, other articles of diet, not part of the daily rations, *i. e.*, groceries, vegetables, &c., the quartermaster has usually to superintend the receipts and distribute the supplies, and furnish the paymaster with accounts of the same, as chargeable to the different companies.

Forage for cavalry to be inspected on receipt and approved by the quartermaster, and, when necessary, by the orderly officer, and to be again inspected in detail previous to issue.

DUTIES NOT DEFINED.

To attempt a description of the many matters which, in addition to the foregoing, either from

custom or necessity appertain to the quartermaster's department would occupy too much space; I therefore enumerate the more important.

1st. The correspondence, periodical returns &c. on the following subjects:—

Ammunition, arms, accoutrements, and appointments.

All applications relating to barracks, quarters, or camps; alterations or additions, construction, occupation, or improvements; appeals, &c.; the choice of quarters; barrack damages and barrack allowances of all kinds, camp equipage, &c.; clothing and necessaries, rations, transport; and the preparation of all documents (not periodical) called for by departments on those subjects.

2d. The recovery from officers commanding companies and regimental armourers, of the value of all public stores which may have been lost by neglect or drawn for their use.

The distribution of barrack damage accounts, payments to barrackmasters, and recovery of same from individuals.

The examination of the armourers', tailors', and shoemakers' monthly accounts against companies, and the payment to the workmen of their wages.

The preparation of monthly accounts against companies for necessaries drawn from store.

3d. Daily to receive from the respective stores the supplies required for the corps, and issue to companies and individuals.

Constant and almost daily communication with the Barrack and Commissariat Departments, in reference to the accommodation and comfort of the troops.

Not only to act as storekeeper in the manner directed, but having in addition, to make the direct issue to the soldier, and personally see fitted every article composing the annual issue of clothing: to note all alterations required, and provide for the marking. In the like manner to see all fatigue suits fitted; and, in order to insure uniformity in the kits, to mark all necessaries previous to issue.

The general superintendence of the regimental workshops.

The cleanliness of all yards, passages, staircases; cooking, washing, and ablution houses; guard-rooms, cells, latrines, and outbuildings in use generally.

The lighting of the barracks; removal of soil and all refuse.

The provision of lime and charcoal for white-washing and sanitary purposes; the good order of the drains, tanks, and wells.

On many stations, the inspection of and cleansing of the garrison guards.

Previous to a march, all arrangements to make in regard to transport of baggage, the weighing of each package, the packing of each waggon, the return to store of barrack equipment, &c., and the packing of regimental stores and ammunition.

To be in his corps a representative of the following departments, and carry out the public duties required respectively by each:—

Clothing Department.

Military Store Department.

Quartermaster General's Department.

Barrack Department.

Commissariat Department.

In

Queen's Regulations, page 142; Royal Warrant, 24 August 1857.

Greatcoats. Royal Warrant, July 1848. Horse Guards' Circular Memorandum, 11 February 1858.

General Order, Horse Guards, 10 March 1858. Prize badges for good shooting. Article 21.

Deserters. Explanatory directions, War Office, July 1848. Rations.

Royal Warrant, 24 December 1850, and Commissariat Regulations.

Forage. Queen's Regulations, page 218.

In addition to the Books referred to in the Queen's Regulations, the quartermaster must of necessity keep the following, viz:—

1. General Store Account Necessaries.	2. General Issue Account.	3. Ledger Necessaries.	4. Account of Free Kits.
5. Greatcoats and Haver- sacks.	6. Contingent and Part-worn Clothing Account.	7. Regimental Boards.	8. Barrack Furniture, and Requisitions, &c.

GUARD BOOKS.

1. Returns.	2. Invoices, War Department.	3. Invoices and Letters, Necessaries.	4. Letters, Public Departments.	5. Requisitions, Necessaries, &c.	6. Accounts, Monthly.
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REMARKS.

Having given what I believe to be a correct detail of the duties performed by quartermasters generally, I most respectfully entreat favourable consideration while endeavouring to point out some of the disadvantages under which they labour.

In doing so, I must necessarily allude to other staff officers, military and civil, not to draw invidious comparisons, nor with a view to under-rate the duties and importance of their respective positions, but in order to substantiate the fact that, notwithstanding the immense responsibility resting on the quartermasters, the incessant exertion, mental and bodily, required of them, and the annually increasing work of their depart-

ment, they receive less pay than other staff officers, and are the only class without relative progressive rank.

The average service of non-commissioned officers promoted as quartermasters is certainly not less than from 15 to 20 years, although several, myself among the number, have obtained the commission at earlier periods. The qualification for the appointment I will not presume to enter into, merely premising that few individuals ever obtain it who would not otherwise be entitled to rewards carrying with them annuities or gratuities for distinguished or meritorious conduct, necessitating abilities and zeal with the strictest integrity of conduct displayed in the performance of their duties, and approved of by successive commanding officers.

The Daily Rate of Pay of a Quartermaster is as follows:—

	Pay, Infantry.	Pay, Cavalry.	Relative Rank.
	s. d.	s. d.	
1st. On appointment - - - - -	6 6	8 6	As subaltern.
2d. After 10 years' service as a quartermaster, or after 15 years' service as a commissioned or non-commissioned officer, of which at least five years shall have been as quartermaster - - - - -	8 6	10 6	As subaltern.
3d. After 15 years' service as quartermaster, or after 20 years' service as a commissioned or non-commissioned officer, of which at least 10 years shall have been as quartermaster - - - - -	10 -	12 -	As subaltern.
4th. After 25 years' service, of which 15 as quartermaster, or after 20 years as quartermaster - - - - -	No increase -	- - -	As subaltern.
5th. After 30 years' service, of which 20 years as quartermaster, or after 25 years as quartermaster - - - - -	No increase -	- - -	As subaltern.

While hopefully looking forward to a revision of the above rates, I would beg to remark upon them in passing, that not more than one per cent. of the quartermasters, however fortunate in obtaining early promotion, will be entitled to the first increase of pay until they have served an aggregate of at least 16 years, and for the second and final increase, 21 years, service as privates not being allowed to reckon for increased pay.

But as it is possible for the pay of 10s. to be obtained at 21 years' service in all ranks, it would be desirable that a further increase, at 25

and 30 years' service respectively, should in justice have been authorised to meet such cases.

I might quote numerous examples of the inequalities of the scale of pay, but will only refer to one case.

A quartermaster recently gazetted, who had never served in the ranks, will, 10 years hence, receive the same pay as members of the class who will then have been five years and upwards quartermasters, with an aggregate of from 20 to 35 years' service as officers and non-commissioned officers.

Without further alluding to the inequalities of the warrant as regards the pay of individual quartermasters, I will proceed to examine the position of the adjutant, a situation, like that of the quartermaster, very generally filled by officers from the ranks. Of the very important nature of their duties I am perfectly informed; but they are neither so incessant, so varied, nor complicated as those of the quartermaster, who has to conduct an equal amount of correspondence, to keep numerous and difficult accounts, is liable to and cannot avoid occasional losses, and has many other risks, from all which an adjutant is free.

The latter officer has always an orderly-room and an ample staff of clerks; the quartermaster has neither an office nor a clerk, having only a sergeant to assist in his multifarious duties.

The pay of an adjutant is as follows:—

	s.	d.
If an ensign - - -	8	9 a day.
If a lieutenant - - -	10	„
When seven years a lieutenant - - -	11	„

Each commission carries with it an equivalent money value, which that of the quartermaster does not possess.

If an ensign is adjutant, he usually obtains his lieutenantancy without purchase on becoming senior of the rank, and can hold the situation until, in like manner, by casualty or augmentation, he becomes a captain without purchase.

The period of duration in each rank must obviously be controlled by circumstances; the adjutant may become a captain at from 4 to 12 years' service, and, without indulging in too sanguine expectations, with reason may expect to become a field officer in 18 years from the date of his commission, without purchasing a step.

Should Providence spare me for a similar period (as quartermaster ranking with a subaltern), I would then be entitled to retire, after 30 years' service, with the honorary rank of a captain.

A staff officer in this garrison obtained his captaincy, without purchase, in 15 months after his promotion from sergeant-major to an ensigncy.

The relative positions of quartermasters and adjutants are indeed very different, equally so the prospective advantages of each; the time of the former wholly occupied in endeavouring to perform his endless duties without a ray of hope of future rank—a quartermaster and a subaltern, no matter to what length his services may extend, or how beneficial they may have been to the public.

With feelings of exultation have I read of the great services of a gallant colonel and C. B. now in India, who 13 years since was serving in the ranks; this is evidence that a non-commissioned officer promoted to an ensigncy has every opportunity of obtaining rank and distinction; his duties are not difficult, and usually allow time for study, improvement, recreation, and social enjoyment.

The course of examination from rank to rank may soon be mastered where the stimulant promotion is held out as it now is; opportunities offer of obtaining staff employment with additional pay and allowances; and when on active

service there is this consolation, that though the duties may be arduous and trying, there are hopes of distinction and certain promotion.

It is under similar circumstances that the situation of a quartermaster is the more trying: though his duties are increased, he has no increased rewards to look forward to—no promotion to a superior class nor staff employment to obtain; he is not permitted, whatever his length of service as an officer may have been, to exchange even with a lieutenant; and if allowed to resign his commission as quartermaster, he would become junior ensign of his corps, although he were the oldest officer in it.

The recent warrants for the medical officers, the civil branches of the Royal Engineers' Department, the chaplains, the new organisation of the Commissariat Department, whilst vastly improving the position and increasing the emoluments of individuals, invariably and most accurately determine their relative rank with combatant officers, either by class, or after certain periods of service.

Subaltern officers of two years' service are now eligible for the commission of deputy assistant commissary general with the rank of captain, with favourable prospects of further promotion in the department, remunerative pay, &c.; but the limitation in regard to the age of the candidates is an effectual bar to the entrance of a quartermaster.

I will now allude to a few anomalies in the warrants, as they at present exist, in the relative rank of the quartermaster.

For field and forage allowance - - -	The adjutant and quartermaster - alike.	Royal Warrant, July 1848, pages 50 and 87. Royal Warrant, page 98.
Indemnification for losses of equipment - - -	The quartermaster at a lower rate than any subaltern officer.	
Pensions for wounds - - -	The quartermaster, without reference to service - - -	Royal Warrant, 13 June 1857.
	Lieutenants and adjutants - 70 l.	
Widows' pensions, and compassionate allowance - - -	The quartermaster, until 10 years such, as ensign.	Royal Warrant, 15 June 1855. Queen's Regulations, pages 272, 273.
	The quartermaster, after 10 years, as lieutenant and adjutant.	
Rewards for services on coast duty - - -	The quartermaster—1st category, as ensign.	
	The quartermaster—2d category, with subalterns generally.	

And lastly, in the Army School Regulations of July 1857, when authorising two rooms as quarters, with fuel, &c. for schoolmasters, married with leave, they are not only placed upon a superior footing in that respect to all commissioned officers under the rank of a field officer, but special allusion is made to the quartermaster, by whose rate of allowance for one room (which is all he is entitled to) the schoolmaster's allowance for two rooms is to be calculated.

That the importance of the position held by the quartermasters is becoming more apparent, and a desire to improve their prospects has for some time past been shown in promoting several to the situation of regimental paymaster, has afforded much satisfaction; and I earnestly pray that vacancies in the situation in question may eventually be filled exclusively by quartermasters, whose duties, experience, and general knowledge of military regulations and finance must in great measure qualify them for regimental accountants.

This in itself would be received as a boon by the class; and I feel assured would be advantageous to the public service, and less expensive than the old system of appointments.

Another

Another subject which it is desirable most particularly to notice is the want of proper assistance in carrying on the duties of the quartermaster's department; he has no office, clerk, or storeman. Purveyors to hospitals (whose duties, however great, are not by any means so extensive, and cannot possibly be of more importance) are allowed a steward, clerk, and storeman; and an army schoolmaster is provided with a soldier, as orderly and cook, &c. at a cost to the public of 1*s.* per week.

Although two-thirds of the general orders and circular letters which emanate from the head-quarter departments have some reference to matters coming under the quartermaster's department, no provision is made for supplying a copy for his use, though the expense would be so trifling, and the information so necessary.

The value alone of the necessaries in my store during the past 12 months was above 5,000*l.*; as quartermaster I am neither entitled to a contingent nor stationary allowance.

The number of official letters written to the public departments during the year was upwards of 200.

Of the returns, &c. required, I append a table. In making up this table, where returns are not periodically rendered, my object has been to state the average periods when they are required as accurately as possible.

I would beg to explain, that the extracts from regulations are given at such length only with the view of showing how small a portion of the duties are there defined, and how great in comparison are those, though summed up so shortly, in regard to which no direct reference to the quartermaster is in many instances made.

It will probably be considered that the statement is overdrawn; it is neither exaggerated nor exhausted; many additional duties and returns are required in different corps by commanding officers in carrying out their interior

economy. I avoid all allusion to them, and confine myself to those which, from experience, observation, and inquiry, I find are general to the service, and common to all regiments.

I do most sincerely regret that the task I have undertaken has not been more satisfactorily performed; but at a period when it is believed a measure is in contemplation to increase the pay of the subalterns of the army, and after nearly every branch of the service has undergone revision, the want of ability on my part will, I earnestly trust, be pardoned, when the magnitude of the subject, and its importance to the only class of officers holding Her Majesty's Commission who have been exclusively promoted from the ranks is considered.

While gratefully acknowledging the improvement which in many respects Her Majesty has been pleased to make in the position of the class, I would earnestly entreat a revision of the existing warrants regarding pay and allowances; and, with reference to comparative rank, most respectfully urge that, as at present classed, the whole of the advantages, privileges, &c. so clearly defined in the following extract from a recent warrant, with which I will conclude, are lost to the quartermasters of the army:—

Memorandum.—Royal Warrant, 1st October 1858, Article 17: "Relative rank shall carry with it all precedence and advantages attaching to the rank with which it corresponds, and shall regulate the choice of quarters, rates of lodging money, servants, forage, fuel and light, or allowances in their stead; detention or prize-money; and to all the allowances granted by Our Royal Warrant of 13th February 1857, on account of wounds and injuries received in action, as combatant officers holding the same relative rank; and their families shall, in like manner, be entitled to all allowances granted to the families of combatant officers holding the same relative rank."

RETURNS, &c., rendered by Regimental Quartermasters.

NATURE.	TO WHOM RENDERED.																			REMARKS.	
	Printed.	Manuscript.	Adjutant General.	Quartermaster General.	Secretary at War.	Brigade Major.	Military Storekeeper.	Commissary General.	Barrack Master.	Garrison Quartermaster.	Town Adjutant.	Regimental Tradesmen.	Quarterly Board.	Regimental Paymaster.	Companies.	Contingent Vouchers.	Invalid Depot.	Regimental Adjutant.	Copy to Keep.		Total required, each Form.
ANNUAL :																					
Arms, state of, and requisition for -	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	W. O. F., 735.
Arms, account for marking of -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent.
Ammunition, requisition for -	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	W. O. F., 736, 737.
Accoutrements, return of -	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	3	W. O. F., 1,100.
Ditto, account for repairs, &c. -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent.
Ditto, particulars of sale of unserviceable	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	Ditto.
Clothing, requisition for regiment -	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	R. W., 24 August 1857.
Ditto, supplementary -	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	Ditto.
Ditto, for schoolmasters -	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	4	Army School Regulations, July 1857.
Ditto, for rifle instructor -	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	4	R. W., 24 August 1857.
Ditto, account of cloth used in alteration.	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	W. O. C., 373, January 1859.
Ditto, contingent account -	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	R. W., 24 August 1857.
Ditto, application for compensation in lieu of.	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	Ditto.
Ditto, size rolls for regiments -	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	4	} To accompany requisition for clothing.
Ditto - - for schoolmaster -	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	4	
Ditto - - for rifle instructor -	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	4	
Ditto, nominal roll of -	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	General clothing account for the year.

RETURNS, &c., rendered by Regimental Quartermasters—continued.

NATURE.	TO WHOM RENDERED.																			REMARKS.	
	Printed.	Manuscript.	Adjutant General.	Quartermaster General.	Secretary at War.	Brigade Major.	Military Storekeeper.	Commissary General.	Barrack Master.	Garrison Quartermaster.	Town Adjutant.	Regimental Tradesmen.	Quarterly Board.	Regimental Paymaster.	Companies.	Contingent Vouchers.	Invalid Depot.	Regimental Adjutant.	Copy to Keep.		Total required, each Form.
Clothing, Boards of Inspection - - -	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	On each separate supply.
Ditto, reports of quality, wear, &c. - -	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	R. W., 24 August 1857. Queen's Regulations, p. 13
Greatcoats, return of - - - -	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 134.
Necessaries, return of, in store - - -	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	} To check the store and tradesmen's accounts.
Ditto, balance-sheet of - - - -	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	
HALF-YEARLY :																					
Bedding, requisitions for - - - -	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	Barrack forms.
Ditto, washing certificates for wear - -	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	- ditto.
Ditto, chargeable - - - -	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	- ditto.
Clothing, return of, with men sent to depot.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	3	W. O. F., 974.
Account of charges for carriage - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent.
Forms, requisitions for blank - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	To include in General Regulations.
Free kits, requisitions for - - - -	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	} R. W., 24 August 1857. W. O. C., 23, 31 Dec. 1856.
Free kits return, and nominal roll of recruits.	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
Greatcoats, requisition for - - - -	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	W. O. F., 130.
Ditto, accounts for marking - - -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	W. O. F., 857.
Ditto, expense of serjeants' cuffs and collars.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	W. O. F., 975.
Ditto, sums received for loss of - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent.
Ditto, return of, sent with men to depot	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	3	On transfer form.
Necessaries, requisitions for - - -	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	R. W., 24 August 1857.
Ditto, distribution of, freight, and on original cost price of.	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	Art. 77 & 78, ditto, ditto.
QUARTERLY :																					
Accoutrements, account for marking - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent account.
Ditto, requisitions for - - - -	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	To replace losses by neglect &c.
Ammunition, requisition for guards - -	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	A local form.
Ditto, return of, expended by guards - -	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	- ditto.
Arms, requisition for materials, small arms.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	Queen's Regulations, p. 99.
Barrack damages, return of payments -	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	" " p. 251.
Chimneys, requisition for sweeping - -	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	" " p. 229.
Ditto, certificate of having been swept -	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	" " par. 20.
Clothing contingent, requisition for money on account of.	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2	Art. 27, R. W., 24 Aug. 1857.
Account for making and alteration - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent.
Contingent account, estimate - - -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	W. O. F., 1,019.
Free kits, accounts for marking - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	To vouch contingent account.
Ditto, alterations of fatigue suits - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	- ditto.
Ditto, knapsacks, account of non-effectives.	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	- ditto.
Ditto, sums paid on account of - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	- ditto.
Necessaries, return of and value in store -	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	For Quarterly Board.
Ditto, report of sums to be remitted on account of.	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	Clothing Warrant, 1857, Art. 80, to complete their kits, &c.
Account of issues to militia, recruits, transfers from cavalry, &c. - - -	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	Special applications.
Bills for issue to officers, &c. - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	Average number.
MONTHLY :																					
Barrack damages, report of completion -	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	Queen's Regulations, p. 232
Barrack, distribution in detail of charges	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	For information.
Ditto, bills for companies - - -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	Receiving from companies.
Bedding, return for clean sheets - - -	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	Barrack Form 34.
Ditto, certificate for washing - - -	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2	Barrack Form 44 (Foreign).
Brooms, health, return of, required - -	-	1	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2	Art. 85, R. W., 24 Aug. 57.
Clothing, account of sale, part worn - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	For whitewashing, &c.
Lime, requisition for - - - -	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	A check on store account.
Necessaries, summary of issues - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	One for each company.
Ditto, detail, and bill for - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	1	Abstract of companies' returns for paymaster's information.
Ditto, account of sums due for - - -	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	A local form.
Quarter, return and detail of occupation -	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 904.
Rations, certificate, servants and horses -	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 320.
Ditto, free, return of wives, families, &c.	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 901.
Ditto, distribution of battalion, for water -	1	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1	4	W. O. F., 900.
Ditto, return of water required daily - -	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	The numbers varying frequently.
Ditto, scale of each barrack, for issue of, daily.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	

RETURNS, &c., rendered by Regimental Quartermasters—*continued.*

NATURE.	TO WHOM RENDERED.																	REMARKS.			
	Printed.	Manuscript.	Adjutant General.	Quartermaster General.	Secretary at War.	Lieutenant Major.	Military Storekeeper.	Commissary General.	Barrack Master.	Garrison Quartermaster.	Town Adjutant.	Regimental Tradesmen.	Quarterly Board.	Regimental Paymaster.	Companies.	Contingent Vouchers.	Invalid Depot.		Regimental Adjutant.	Copy to Keep.	Total required, each Form.
Rations, scale of each barrack for oil	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	Frequently, and requiring constant revision.
Distribution of battalion daily, for	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	All necessary as a check on the company returns, and in order that the exact quantities may be determined as drawn.
Distribution, abstract of three days' return	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Ditto, account of daily receipts and issues of fresh meat.	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
Ditto - of salt meat	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	W. O. F., 906. For regimental requirements. For servants to staff officers, and individuals drawing separately.
Ditto - of bread	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
Transport, requisition for	-	1	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	6	6	
Wood, orders on contractors	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	For regimental requirements. For servants to staff officers, and individuals drawing separately.
Check to staff officer's departments	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	
HALF-MONTHLY :																					
Forage orders for mounted officers	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	Seven regimental officers receive forage.
WEEKLY :																					
Coal orders on issues	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	For regimental requirements. A local form. ditto.
Oil orders on issues	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
Tanks and wells, state of	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
Guard rooms, certificate of being clean	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	- ditto.
EVERY THREE DAYS :																					
Ration returns	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 903.
DAILY :																					
Meat orders on contractor	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	For regimental requirements.
Bread orders on contractor	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	
AS REQUIRED :																					
Allowances in lieu of fuel and light	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 37.
Ditto - forage	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 33.
Ditto - quarters	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 32.
Ditto - black servants	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 36.
Allowance, lodging money, officers	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 907.
Ditto - ditto - married soldiers	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2	W. O. F., 213.
Ammunition, requisition for	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	W. O. F., 736 and 737.
Ditto, statement to be returned to military stores.	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	On change of quarters, &c.
Barracks, requisition for repairs, &c.	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	Constantly required.
Ditto, requisition for extra accommodation.	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	Whenever necessary.
Bedding, infected, requisition for exchange	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	Three or four times each month.
Chests, arms, &c., requisition for	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	3	On embarkations. Queen's Regulations, 296.
Equipage, camp, requisition for	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	As required.
Ditto - return of	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
Greatcoats, return of, transferred	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 132.*
Rations, certificates of issues to detachments.	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 909.
Ditto, statement of, returned into store	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 913.
Rooms, certificate of occupation	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	W. O. F., 910.

* One to corps receiving transfer.

Gibraltar, 10 March 1859.

(signed) Samuel Haden,
Quartermaster, 2d Battalion 6th Foot.

Horse Guards, 17 May 1859.

Sir,

WITH reference to the letter which you forwarded from Quartermaster Haden, of the battalion under your command, accompanied by a memorial and statement as to the position and duties of the quartermasters of the army, I am directed by his Royal Highness the General Commanding in Chief to request you will inform Quartermaster Haden that, adverting to the fact that the case of the quartermasters has been so recently brought under the consideration of Her Majesty's Government, when advantages were granted to them which they did not before possess, his Royal Highness cannot bring the subject again before the Secretary of State.

I have &c.

(signed) *C. Yorke.*

Lieut.-Col. Fraser,
Commanding 2d Batt. 6th Foot,
Gibraltar.

War Office,

26 September 1860.

Sir,

WITH reference to your letter of the 23d ultimo, addressed to the Adjutant General, covering statements from Quartermaster Haden, 2d Battalion 6th Foot, regarding the various duties of quartermasters in connection with accounts, &c., I have the honour, by direction of the Secretary of State for War, to return those documents, in order that the several questions of admitted importance raised therein (bearing also, as they do, upon interior economy of the regiment) may be re-submitted by Mr. Haden, in separate portions, each of which is to be confined to one principal head of service, as arms, clothing, provisions, forage, fuel, and light, and forwarded in a separate communication by the commanding officer of the battalion, this arrangement being essential to a due consideration of the whole subject, in all its branches, by this department.

I have, &c.

(signed) *H. R. Drewry.*

The General Officer
Commanding at Gibraltar.

Sir,

War Office, 25 June 1861.

I AM directed by Lord Herbert to acknowledge the receipt of your letter of the 22d ultimo, forwarding a memorandum by Quartermaster Haden of the 2d Battalion 6th Foot, on the duties and position of quartermasters generally.

In reply I am to inform you that the subject of this communication will receive the Secretary of State's consideration.

I am, &c.

(signed) *Edward Lugard.*

The Officer Commanding
2d Batt. 6th Foot.

Anglesea Barracks, Portsmouth,

Sir,

14 October 1862.

I HAVE the honour to forward the accompanying letter, memorial, and statement from Quartermaster Cole of the battalion under my command, in which I believe he has correctly detailed

the duties discharged by quartermasters of the army, and I request you will be pleased to submit the same to his Royal Highness the General Commanding in Chief.

I beg to be permitted to state from my own experience, that I consider quartermasters render the greatest assistance to commanding officers, both in quarters and in the field, and their services contribute much to the well-being and efficiency of regiments.

I therefore respectfully recommend the memorial to the most favourable consideration of his Royal Highness.

I have, &c.

(signed) *W. J. Ratcliffe,*

Lieut.-Col. Commanding 2d Batt.
20th Regiment.

The Military Secretary,
Horse Guards.

Sir,

Portsea, 9 October 1862.

I HAVE the honour to request you will forward to his Royal Highness the General Commanding in Chief, the enclosed memorial and statement which I have drawn up in the general interest of my class, believing that their duties as set forth therein, together with their services of general utility, are appreciated by general officers and officers commanding regiments, and that improvement in their position would be hailed with satisfaction by all classes in the army.

I feel assured that your own knowledge of the duties of quartermasters, and your experience of their services at home and abroad, in quarters, and in the field, will enable you to recommend it for favourable consideration.

I have, &c.

(signed) *John Cole,*

Quartermaster 2d Battalion,
20th Regiment.

Lieut.-Col. Radcliffe,
Commanding 2d Batt. 20th Regiment.

To his Royal Highness the Duke of Cambridge,
K.G., K.P., G.C.B., &c., Commanding in Chief
the Forces.

The Memorial of Quartermaster *John Cole,*
2d Battalion 20th Regiment,

Humbly sheweth,

THAT Memorialist, and all other quartermasters of the army, being the executive officers in all that appertains to the moving, quarters, rations, clothing, necessities, arms, equipment, and ammunition, as well as the comfort and sanitary condition of regiments, have great responsibility, varied and arduous duties, entailing upon them incessant mental and bodily exertion.

Referring to recent warrants improving the pay and position of other regimental staff officers, and officers of the commissariat, military store, and barrack departments, memorialist observes that non-combatant and civil officers (and even non-commissioned officers in newly organised corps) are rewarded according to the extent of their responsibilities, and the practical nature of their duties, and that quartermasters are the only class of staff officers whose pay and position are wholly incommensurate with their responsibilities, the duties they discharge with every department

partment in connection with the army, and the service they render to the public. He therefore prays for recognition of their responsibilities, appreciation of, and reward for their services.

Your memorialist has endeavoured in the accompanying statement, to show as briefly as possible the duties that devolve upon quartermasters, but cannot therein convey an adequate knowledge of the actual work performed by them daily under the different heads into which those duties are divided.

As many acts of your Royal Highness have shown that you value officers according to the service they render to the Sovereign and the State, your memorialist earnestly and hopefully trusts that you will be pleased to bring the case of his class (as set forth in this memorial and statement) under the consideration of Her Majesty's Government, and recommend to Her Majesty improvement in the position of quartermasters of the army by allowing them better pay and progressive relative rank with all the advantages attached thereto, and your memorialist, as in duty bound, will ever pray.

(signed) *J. Cole,*
Quartermaster 2d Battalion,
20th Regiment.

Portsea,
9 October 1862.

As the fact that proper pay (according to the nature and extent of their duties and responsibilities) and progressive relative rank, with all the advantages attached thereto, which is allowed to all other staff and non-combatant officers (even in semi-military departments) is withheld from quartermasters of the army, can only be accounted for by the belief that their duties and responsibilities, being undefined, are but little known to the higher authorities of Her Majesty's Government or to the public, and therefore cannot be appreciated.

The following statement though it cannot convey an adequate idea of the actual work performed by quartermasters under the different heads into which it is divided, is intended, and it is hoped will be sufficient to show, that their duties being various and practical, personal and real, are as onerous and difficult, and as important to the public and the army, as those of any other officers in regiments, corps, or departments.

STATEMENT of Duties which, by Regulation, Local Orders, Custom, or Necessity, devolve upon Quartermasters of the Army.

Arms and Appointments.—It is the duty of a quartermaster to prepare all requisitions, correspondence and returns, relative to arms and appointments, and on their receipt to have them inspected by Boards, properly marked and issued.

To keep correct records of their delivery, distribution and changes, also to assist and record their state at periodical inspections.

He has charge of all articles demanded from military stores for the repair of arms, issues them as required, keeps account of those, the prices of which (not being fair wear) are to be credited to the public, and furnishes the annual account to be transmitted to the War Office, of the numbers or quantity received, issued, and remaining in his charge.

Ammunition.—The demand, receipt, charge, issue, and account of ammunition, especially of that for practice and exercise, is, during the

season of drill and rifle instruction, a very troublesome part of a quartermaster's duty; as no matter how distant the magazine, or how busily employed in some other part of his multifarious duties, his personal attendance at the issue of ammunition to companies on the receipt of that which is not expended, is imperative; and as the daily rifle practice generally commences early in the morning, and is left off and resumed several times a day, according to the change of weather, or the routine of instruction, he is frequently required for this when, as he cannot be ubiquitous, he must disobey the order, or neglect if he cannot postpone other important garrison or regimental duties.

Clothing.—The centralization under the War Office of the supply of clothing necessities, &c. to the army, and the increase in the number of articles supplied to the soldier, which must be taken charge of, issued, and accounted for by the quartermaster, has greatly increased, and with every new arrangement continues to increase his duties and responsibility.

The preparation and transmission to the War Office of requisitions and size rolls for clothing, its receipt from military stores, inspection by Boards of Survey, all correspondence and reports respecting it, the making, fitting, alteration, and reception into store for marking, and record of final issue to individuals must be personally attended to by the quartermaster.

He must be very careful in making the issues according to the period of the year that entitles men to compensation and extra articles; also in the issues and account of articles supplied biennially; he must keep account of the articles issued or returned to store on account of casualties by deaths, desertions, transfers, promotions, or reductions, to enable him to furnish after the 31st March in each year a correct return of the clothing received, issued, and remaining in the regimental store, accompanied by a nominal roll of all men who have been in the regiment during the year (which is a check upon the return) showing the issues to each individual, the time the biennial articles have been in their possession, the compensation paid in lieu of articles not issued, and the nature and date of every casualty causing increase or decrease in the several grades.

Any discrepancy in the clothing roll will cause a disallowance in the contingent charges, the loss of which must be borne by the quartermaster, by which it is evident that the cash responsibility which is supposed to rest with the paymaster, falls in reality upon the quartermaster, as the former simply makes advances upon approved requisitions from the latter, who must attach authority or receipts for each item in the accounts furnished by him to be charged or credited in the regimental pay list, under the head of clothing.

Accoutrements, Harness, and Saddlery.—The quartermaster must attend to the demand, receipt, inspection by boards, marking and issue of accoutrements, harness, and saddlery, record the dates of supplies from military stores, and of articles damaged or lost by neglect or desertions, and fill up these details in the annual report by the three senior officers present with the regiment at the end of each year.

Free Kits.—The quartermaster is responsible for the charge, issue, and account of free kits, of which he must furnish an annual return, to be transmitted to the War Office after the 31st

March, showing the number received, issued, and remaining in store.

He must take charge of the knapsacks or valises of non-effective men, have them valued by boards, and re-issue them, charging in the contingent account, supported by receipts, the valuation paid to captains of companies, and the difference paid to recruits.

Necessaries.—The quartermaster is the store-keeper and issuer of all articles of regimental necessities received for the use of the regiment; he furnishes the paymaster with a monthly account of the sums to be recovered from troops or companies, and also accounts to captains of the articles, prices, and amounts with which they have been charged.

He must be very particular in the separate accounts of necessities issued to troops or companies in making up and deducting the aggregate from the general store account, as any deficiency found by the quarterly committee, either in the stores or accounts, must, under the provisions of the clothing warrant, be immediately made good by him; as he has charge of the former, and furnishes the latter, he must assuredly be "the party responsible."

Greatcoats.—It is the duty of the quartermaster to prepare requisitions for greatcoats, have them properly marked, issue them, take charge of all that are spare, keep a record of the number and dates of those received from the military stores or transferred to other corps, and of the decrease through transfers, losses by desertions, &c., which with their state must be shown in the annual return prepared by him, and sent to the War Office on the 1st of April.

Knapsacks.—When a regiment has marched into barrack, it is the duty of the quartermaster to inspect every portion of them, to see that the damages charged against the regiment which last occupied them have been completely and properly repaired, to enable the commanding officer to make his report upon the subject; this must also be done by him after each monthly barrack inspection.

The quartermaster must have a perfect knowledge of the construction, occupation, and state of the barracks, quarters, or camp; keep a record of their distribution, and attend to all repairs required, either by damage or fair wear. He is the real sanitary officer, as he must attend to the cleanliness of yards, passages, staircases, cooking houses, guardrooms, latrines, and outbuildings in use generally; the good order of tanks and wells, the removal of soil and refuse, the provision of lime and charcoal, for whitewashing and sanitary purposes, and during the winter months the lighting of the barracks.

He prepares all returns for barrack supplies of clean bedding, sheets, straw, fuel, and light; is present at their issue from the barrack stores, and superintends their distribution to the regiment.

On the receipt of the barrackmaster's estimates for damage to buildings and deficiencies of stores after marching out or monthly inspections, the quartermaster must examine them to see that the several items are correct and chargeable to the regiment, before they are approved by the commanding officer; after which he furnishes the paymaster with a statement of the amounts to be recovered from troops, companies, or individuals, and to each of the latter, statements of the items and sums for which they are accountable.

He is subjected to all the annoyance of inquiries, complaints, and objections that are made by individuals, and of preparing all the correspondence and appeals that may result therefrom.

When a regiment marches out of barracks, the quartermaster must remain behind to give over to the barrackmaster, and note the damages assessed, and also, by his knowledge of what had been reported or noted by the Royal Engineer Department, as fair wear (but not repaired), to protect both the interest of the soldier and the public.

Rations.—The receipt, issue, and account of rations is a very troublesome and important part of the quartermaster's duty, and takes up a very considerable portion of his time daily.

If rations or forage are supplied by contractors direct to regiments, the quartermaster superintends their issue, and is responsible that they are of good quality, and that troops or companies receive the proper quantities shown on their returns.

If rations for men are supplied from a commissariat dépôt, he must furnish the estimate of the quantities of bread, meat, and groceries required for the regiment, receive them in bulk, and have them cut up, weighed, and issued in small quantities, as required by messes and families.

He must keep a correct record of the quantities of the different rations supplied, and of those issued to each troop or company daily, and at the end of each month give receipts for the former to the commissariat officer or contractor, and furnish the paymaster with a statement of the latter, and the amounts to be recovered by him on account thereof; also, if the rations are supplied direct by contractors, the quartermaster necessarily prepares the monthly bread and meat returns to be transmitted to the Accountant General, which are supposed to be furnished by the paymaster.

The quartermaster, of course, is in these, as in all other supplies (of which he alone has charge, and keeps the account), responsible for any loss or deficiency that may occur after their delivery.

Moving.—When a regiment moves from one station to another, the duties of the quartermaster are almost overwhelming, as he has not only to attend to the packing of his numerous stores, public and regimental, to know the contents of each package, and see them properly secured and labelled, but he must make arrangements most convenient and advantageous to the regiment, for the conveyance of the whole baggage, see it weighed and loaded, and keep a record of the number and weight of the packages belonging to each individual.

He must personally attend to the delivery of all bedding, furniture, or utensils that are to be delivered into the barrack stores, noting their state, and the parties responsible for charges on account of dirt, damage, or deficiencies.

He must also attend to the packing, carriage, or delivery into store of unexpended ammunition, and to the preparation of all documents necessary to winding up local accounts for rations, lodgings, &c.

In short, the quartermaster, though generally having a family, is the only officer in a regiment who, on these occasions, cannot attend to his private affairs.

Not only in quarters, but on board ship and in the

the field, the quartermaster's duties are urgent, onerous, important, and perplexing, requiring immediate and constant attention, together with a knowledge of the regulations and orders to be attended to under the different circumstances.

On board ship he is the only person in a regiment who cannot enjoy relaxation, and in a campaign he must distribute and keep the account of camp equipment, clothing, &c., and at every halt of the army, when others may rest after a march, the quartermaster, after taking up the ground and arranging everything requisite for encampment, must be prompt in procuring the necessary supplies of rations, &c. from the commissariat, and attend to their issue.

In short, from the nature of his duties, which is to attend to and provide for all the wants of his regiment, there is no officer on whose individual ability and exertions the interests, health, comfort, and economy of a regiment is more dependent.

REMARKS.

The simple details in the foregoing statement are much wider in their import, as may be understood when it is considered that quartermasters are the storekeepers, issuers, and accountants of all public property in use of the army, and that on them devolves the duty of carrying out the instructions contained in all warrants and circulars issued to regiments respecting accommodation, allowances, or supplies; that they are in fact the only officers in regiments transacting the entire business, which, for the army, requires corps and departments with numerous well-paid officers, clerks, and employés, which have been, and continue to be increased, and with them, or the necessity for them, have increased the duties and responsibilities of quartermasters, who are, in their regiments, the executive officers for the War Office, and the representatives of the Military Store, Clothing, Commissariat, Quartermaster General's, Royal Engineer, and Barrack Departments, preparing all correspondence and returns sent to them, keeping records of the same, and carrying out the public duties in connection with each.

It is evident, by the rates of pay and the advantages of progression in relative rank, granted to officers of the various corps and departments that have been created, increased, or improved by late warrants, that the onerous or practical nature of their duties have been considered.

Why, then, should the pay and position of quartermasters of the army remain unimproved, whose duties, as has been shown, are to transact the business of regiments with each and all these corps and departments, and must therefore be not only similar in nature, but more diversified and perplexing.

Their pay (which is subjected to various compulsory deductions for regimental contributions and subscriptions) is so small that they are worse off in a pecuniary sense than the non-commis-

sioned officers who are under their immediate supervision and direction; nevertheless they must keep up uniform, and maintain themselves and their families in every respect as become gentlemen by Her Majesty's commission.

Their position, though they may toil for the good of the service and the benefit of their regiments, even until they become the oldest officers in them, is still the ambiguous one of subalterns without any progressive advantage from relative rank, either to be enjoyed by themselves or for the benefit of their families in the event of their death.

Having submitted this plain and truthful statement for the consideration of the Royal Chief of the Army, who, in conjunction with successive Ministers for War, has evinced a desire that rewards to all officers should be commensurate with their duties and services, the conclusion may be that the quartermasters of the army have reason to hope.

Horse Guards, 11 April 1863.

Sir,

WITH reference to the memorial which you forwarded to me on the 14th October last, from Quartermaster Cole, of the battalion under your command, praying for certain improvements in the position of regimental quartermasters, I am directed by His Royal Highness the Field Marshal Commanding in Chief, to transmit to you the enclosed copy of a letter from the War Office, stating that although Sir G. C. Lewis has given the subject his most careful consideration, nothing can be done for the quartermasters of the army at present.

I have, &c.

(signed) *W. F. Forster.*

Lieut. Colonel Radcliffe, or
Officer Commanding 2d Batt. 20th Regt.,
Portsmouth.

(38,025-2.)

War Office, 9 April 1863.

Sir,

WITH reference to your letter of the 29th October 1862, transmitting a communication from the officer commanding 2d Battalion 20th Regiment, covering a memorial from Quartermaster Cole, of that battalion, praying for certain improvements in the position of regimental quartermasters, I am directed by Secretary Sir G. C. Lewis to request you will state to the Field Marshal Commanding in Chief, that although he has given the subject his most careful consideration, nothing can be done for the quartermasters of the army at present.

I have, &c.

(signed) *Edward Lugard.*

The Military Secretary,
Horse Guards.

APPENDIX D.

THE CASE OF THE REGIMENTAL QUARTERMASTERS, 1 APRIL 1864.

1. Sir Frederick Smith will move for a Royal Commission to enquire into the condition of the Regimental Quartermasters of Her Majesty's Forces and to report what improvement is therein required.

2. On the 16th May 1863, when the attention of the House of Commons was called by Sir Frederick Smith to the condition of those officers, the Marquis of Hartington stated in reply, that two schemes had been brought before the attention of the Secretary of State for War, one involving an expense of 3,000 *l.* or 4,000 *l.*, the other 5,500 *l.* a year; he admitted that the quartermasters had raised themselves in a praiseworthy and meritorious manner, but considered their position had been a great rise, and one which a young man can scarcely hope to attain when he enlisted as a private; while admitting also that 6*s.* 6*d.* a day was not large, he considered that if a quartermaster could not live upon that rate of pay, the case would apply more strongly to the position of the ensigns, who had only 5*s.* 3*d.* a day; and that if the application were admitted in the case of the quartermasters, the House could not refuse to listen to similar applications to ensigns, lieutenants, and captains, and every other grade in the army, as the pay of non-combatants had been recently increased; for these reasons his Lordship could not hold out any hope that the Government could propose any increase of pay to the quartermasters.

3. Since the occasion in question, further information of a statistical character, of which an analysis is enclosed, has been collected, to which in again drawing attention to this subject it is desirable to refer.

4. The quartermasters in seeking improved pay and position, ground their application solely on their value as public servants of the War Department, not because other classes have been fortunate enough to obtain improvement in those respects, but in consequence of their own duties and responsibilities having been during the last 10 years entirely changed in form, and in their relation to every separate branch of army administration, more than quadrupled.

5. Although the pay of a quartermaster was contrasted by the Under Secretary for War with that of an ensign, no comparison can be established between those officers. The ensign enters the army a youth, to learn the duties of a profession without material responsibilities; the quartermaster enters on the various and responsible duties of his commission a proved, practical soldier, with previous service, varying in extent from 5 to 37 years in the non-commissioned ranks.

6. Comparisons, however objectionable, are unavoidable; the quartermaster is a staff officer, and his duties will favourably contrast with those of other staff officers; it is in this view their claims are presented for consideration.

7. It is said that to assimilate the pay of the quartermaster with that of an ensign and adju-

tant, commencing at 8*s.* 9*d.* per diem in the infantry, and increasing at intervals of five years, would involve an additional annual expense of between 3,000 *l.* and 4,000 *l.*; this sum is but a small proportion of the aggregate saving to the public, caused by the quartermasters, in the control and care of the numerous stores annually passing through their hands, and in the prevention of wasteful expenditure by the troops.

8. It will be seen from the statement enclosed that the value of such stores accounted for annually by quartermasters is as follows:—

	£.	s.	d.
Regiment of Cavalry	-	22,089	-
Battalion of Military Train	-	9,954	3 6
Brigade of Artillery	-	38,484	17 6½
Battalion of Infantry	-	10,607	15 3½
Depôt Battalion	-	16,971	13 1

9. The quartermaster is responsible for all these stores, and must defray the value of any losses from his pay. In the face of such facts it is hardly necessary further to combat the injustice of refusing relief to the quartermaster, because an ensign receives less pay.

10. A more fitting analogy may be drawn between the paymaster and the quartermaster; the paymaster's class has for some time past been largely increased by the appointment thereto of gentlemen whose connection with, and claims upon the service had previously ceased, by the selling of their commissions at their own request. On appointment subsequently as paymasters they receive 12*s.* 6*d.* a day; they are required to provide security for the public money they receive and disburse, but their actual responsibilities will stand no comparison with those of the quartermaster, while the paymaster's duties are easy and well defined.

11. The quartermaster's responsibility is in some degree officially ignored, because the clothing and other warrants seem to place it on his commanding officer, but this does not in the least diminish the actual responsibility of the former, who performs the work, and should therefore have his services acknowledged by adequate pay, and a position commensurate with his value to the country; he might also, like the paymaster, be called upon to provide security for the public property in his custody, and for the due execution of his duties.

12. The objection made to increasing the quartermaster's pay, "because it would give combatant officers a right to make similar applications, which could not be refused," is obviously erroneous, no such demand having been made on the several occasions during the last 10 years, when the pay of the medical officers, paymasters, chaplains, commissariat officers, military store officers, and that of all the other non-combatants, except the quartermasters, was increased.

13. Equally erroneous is the assertion that the position of quartermaster is so great a rise that no man on enlistment can hope to attain it; in entering

entering the military as well as the civil professions, educated men calculate their prospects of advancement.

14. In all professions where there is no limit to the position attainable by its members, there are brilliant and encouraging examples of the rise to eminence of educated men, humble in position, nevertheless ambitious, whose unaided abilities have been conspicuously shown and deservedly rewarded.*

15. There are intelligent men of good family, who, unable to purchase, enlist with the determination of earning commissioned rank; the prospect of attaining it is prominently held out as an inducement to enlistment, and is virtually guaranteed by the increased number of commissioned officers selected from the ranks; this accounts for the fact that educated men inspired with a natural and laudable ambition, enter the ranks of the army in greater numbers than formerly.

16. Although the application of the quartermasters is grounded on their services solely, there are other important points to be referred to.

17. It is admitted on all hands that their duties are now more than ever exceedingly arduous, and that only men of energy, with the practical knowledge of the service possessed by officers of this class, can successfully execute them.

18. Although in any measure of improvement higher schedules of pay would be the most essential, yet the question of position also demands attention.

19. The quartermaster is not provided with any special quarters or allowances, and therefore seeks a relative position to enable him to share with his brother officers in the various public allowances that are guided by the rank of combatants, and the relative rank of non-combatants. It is difficult to fully enter into the feelings of those officers who, while inadequately paid, are virtually without relative position, that accorded them of lieutenant carrying with it no advantages no matter how long they may serve.

20. It might be supposed that officers treated so exceptionally are for some reason or other specially disqualified for relative rank, but what are the facts?

21. The men appointed to this commission are in most instances those who would have been by their commanding officers recommended for the adjutancy, had that instead been vacant; this is evident on reference to the return in enclosure showing the grades previously held by them: 73 out of 126 were actually promoted quartermasters from combatant ranks. On active service, they have in many instances been most distinguished. Among the limited number of individuals wearing the Victoria Cross, three quartermasters will be found; several have been mentioned in despatches, and, when non-commissioned officers, were rewarded with medals and annuities for most dis-

tinguished and meritorious conduct in the field; decorations and rewards which, on attaining commissioned rank, they were required to relinquish. Nearly every one of the 126 who are referred to wear medals for service, and 123 of them have served abroad, various periods, from 2 to 33 years in extent.

22. Nor can it be objected that the quartermasters accepted their appointments under the warrants now in force, and by which their duties are in part determined. On the contrary, all honestly complain that their duties have been much enhanced by the numerous and continual changes of system; in most cases, the duties have undergone a complete revolution.

23. The addition of new and extensive duties to departments or grades, is usually held to be sufficient warrant for increased remuneration being afforded them.

24. Under the system until 1855 in force, by which the clothing and accoutrements were supplied by the head colonels of corps, those officers remunerated the quartermasters for their services as storekeepers of such supplies; as may be seen by reference to Circular, No. 923, dated War Office, 28th February 1844 (issued with a clothing warrant) in which the Colonel's Contingent Allowance of 100 l. per annum was granted to cavalry corps, and from which "the allowance usually made to the quartermaster" was directed to be defrayed.

25. Attention is also called to the anomalies and unfairness of the existing warrant by which the issue of full pay is guided, with the object of showing that, viewing the position of quartermaster from any point whatever, the necessity of a change therein is at once apparent. This warrant appears to have been framed when the commission of quartermaster was attained only by non-commissioned officers of 20 years' service and upwards; by it they would after five years' service as quartermaster be entitled to increased pay at 8 s. 6 d. per diem in the infantry, and 10 s. 6 d. in the cavalry, and after 10 years' service to 10 s. per diem in the infantry, and 12 s. in the cavalry.

26. At present, and during the last 10 years especially, younger men have obtained this commission after 5, 10, and 15 years' non-commissioned service; the aggregate period of compulsory service for retirement (30 years) being alike in all cases, they have necessarily longer periods to serve as quartermasters.

27. The fact of their being young officers instead of being a recommendation for, acts as a bar against their becoming entitled to additional pay after 5 and 10 years' service respectively; nor can any display of ability or zeal surmount the disqualification of short service as a non-commissioned officer. At present many active young officers will have to serve from 7 to 10 years as quartermasters before obtaining pay at 8 s. 6 d. per diem in the infantry and 10 s. 6 d. in the cavalry;

* There are three brothers serving, whose meritorious conduct, laudably vying with each other, gained them commissions, all as quartermasters; if promoted to ensigncies instead, they could have progressed to the highest rank, with the additional advantage of possessing saleable commissions; but now, with long periods of service uncompleted, and all other officers gradually but surely passing over them, the brothers have nothing in the future to stimulate them to further emulation; no reward to reap, no matter how zealously they may toil or distinguish themselves for the public benefit.

cavalry; rates at which many of their juniors attain at 5 years' service.*

28. Not only do they thus suffer for attaining commissioned rank when young and likely to be most serviceable, but they have nothing whatever to look forward to in the shape of additional pay, attainable by other classes for service after 15, 20, and 25 years, which periods many of the quartermasters will now be required to serve as commissioned officers.

29. Only 30 out of 126 will be entitled to retire on half-pay under 11 years' service as quartermasters, while 43 will have to serve from 11 to 15 years, and 44 from 15 to 30 years each as quartermasters for retirement.

30. Thus, while A., commissioned after 20 years' service in the ranks, is entitled to claim retirement on half-pay at 10 s. per diem, with the honorary rank of captain, the same day that he first becomes entitled to that rate of full pay, after 10 years' service as quartermaster; B. commissioned at 5 years' service, and C. at 10 years' service, must serve respectively 25 and 20 years as quartermasters for the same rate of retirement as A., and never under existing warrants receive higher rates of full pay than the present maximum of 10 s. in the infantry and 12 s. in the cavalry, nor attain a higher relative position during this long service than that given them on appointment of lieutenant.

31. It is not suggested, that as the majority of quartermasters are married, therefore special legislation should provide for them, but it is

necessary that on this point also the facts should be shown.

32. Out of 126 quartermasters, 106, with an average of $4\frac{1}{2}$ children per family, were married before being commissioned; as married staff non-commissioned officers they were entitled to various advantages, among others to free quarters, and abroad to free rations for their wives and children, with passage and transport between stations at the public cost. In India and other colonies additional inducements to marry are held out to non-commissioned officers; but when commissioned all such advantages are lost; and it is only after one or more changes of station these officers become aware of the enormous expenses in respect to the messing and passages of their families commissioned rank entails on them.

33. In the cases where sergeant-majors with annuities have been commissioned they are now pecuniarily worse off as officers than they were as non-commissioned officers.

34. The investigation that is earnestly looked for, will, if granted, establish the fact that complaints are not singular nor local, but general and well founded; there are several officers who having been disabled by wounds received as combatants, were appointed quartermasters of dépôt battalions, &c., to perform duties infinitely more arduous than any they ever before encountered; sacrificing their prospect of future advancement, to find, that although they have fought and bled for a position, it is absolutely valueless; with nothing else to look forward to, but the chance of attaining, at the expiration of 30 or more years, the right of retirement, which though secured by a few they cannot live long to enjoy.

APPENDIX (E).

ADDENDUM to the Statement of the Case of Regimental Quartermasters, dated 1st April 1864.

IN the above-mentioned statement it is asserted, at paragraphs 4, 6, and 17, that in seeking improved pay and position they ground their application on their value as public servants, and in consequence of their duties and responsibilities having been, during the last 10 years, entirely changed in form, and in their relation to every branch of army administration, more than quadrupled; that their case is presented in the view that they are staff officers, whose duties will favourably contrast with those of other staff officers, it being admitted on all hands that their duties are now more than ever exceedingly arduous, and that only men of energy, with the practical knowledge of the service possessed by officers of this class, can successfully execute them.

Although the details given in certain portions of correspondence submitted to the House of Commons on the 3d July 1863, by the Marquis of

Hartington, show that quartermasters' duties were, previous to such details and correspondence, so very arduous as to give rise thereto, yet it may be desirable to show, as briefly as possible, how their responsibilities and duties have been increased, for which purpose, it is hoped, the following details, thrown hastily together, may suffice. With regard to the supply of clothing, accoutrements, and necessities, &c. prior to 1854, quartermasters might be considered as the agents of colonels, by whom allowances were usually made to the former for stationery, &c., although the system of obtaining and accounting for such supplies was comparatively simple to what it now is, which may be easily understood, as quartermasters are now in their regiments the executive officers for the War Office.

Clothing, Necessaries, and Accoutrements.—The increase in the number of articles to be demanded, taken charge of, and issued to the soldier; the irregularities in supplies to regiments; the consequent increase in correspondence carried on in duplicate;

* While officers in other non-combatant grades attain increased pay, after the respective periods of 5, 10, and 15 years' full-pay service the quartermaster's claim to increased pay is made to depend materially upon his previous service in the ranks; existing rules on this matter are both anomalous and unjust; thus, A., promoted after 5 years' service as a non-commissioned officer, cannot claim pay at 8 s. 6 d. per diem until he has served 10 years as quartermaster on full pay; but B., promoted after 10 years' service as a non-commissioned can claim 8 s. 6 d. per diem when he has served five years as quartermaster. The senior officer A. is thus compelled to serve for five years, receiving 2 s. per diem less than his junior, B., a loss to A. in that period of 182 l. 10 s.

duplicate; the record of the numerous receipts of stores and of boards of survey thereon; the system of gratuitous issues to recruits, and transfers; the payment and account of compensation in lieu of clothing, and commutation in lieu of kit, to re-engaged men; the charge, issue, and account of non-effectives' knapsacks; the making of proper issues of different articles of clothing according to the periods of the year in which men join; the charge and account of leather leggings and great coats; and the record of the latter given to discharged men. He is responsible for the correct payment and account of all contingent disbursements incidental to clothing, accoutrements, &c., to be charged in the pay list, supported by vouchers and receipts, notwithstanding which, disallowances are frequently made that the quartermaster (not the paymaster) must rectify, when it is impracticable for him to recover the sums disbursed, although he has no allowance to meet casual losses of this nature.

Arms and Ammunition.—The introduction of the interchangeable rifle has imposed new duties, which before did not exist, as the quartermaster has now to prepare requisitions for component parts and materials for repairs, also for implements and ingredients for browning; to take charge of the same, to issue them as required by the armourer, and render an annual account of the receipts and expenditure, together with a statement of the sums to be credited for articles issued on account of carelessness or wilful damage.

Previous to the present system of rifle instruction the change, issue, and account of ammunition was not very much trouble, but now it is a very troublesome part of a quartermaster's duties daily throughout the greater part of the year, as his presence at the issue of ammunition from the

magazine and the return thereto of what does not be expended, is imperative; and the issues are required at different hours of the day, according to the changes of the weather, or the routine of rifle instruction.

Commissariat and Barrack Supplies, &c.—The system of commissariat supplies to regiments imposes a very great addition to the responsibility and duties of quartermasters, as the bread, meat, and groceries, being delivered in bulk, must be cut up, weighed, and distributed into numerous portions daily, and issued morning and evening from the regimental store; any deficiency that occurs in such supplies after their delivery must be made good and paid for by the quartermaster who superintends and is responsible for the issues.

He must personally attend at the receipt and delivery of all barrack stores, and be careful that the returns rendered for the same are strictly according to the different heads of the ever changing schedules. It devolves upon him to superintend the cooking of the men's rations, and furnish a report thereon, to be forwarded monthly to the Quartermaster-General; also to account for the consumption and saving of fuel, the sale of offal, and the payment of money received for the same.

It is needless to dwell further on the increase of quartermasters' duties, as it is indisputable that everything introduced into the service for improvement or economy devolves upon them to carry out, and sufficient has already been submitted to the authorities to make it a matter of astonishment that they should hesitate to give the case of the quartermasters the consideration it merits, and grant those officers that better pay and improved position to which all who are conversant with their case consider them to be entitled.

STATEMENT of RETURNS, &c., required to be furnished by Regimental Quartermasters of the Army, in addition to those required of them previous to 1860, as shown in the Return furnished to the House of Commons, 3d July 1863.

NATURE OF RETURN.	TO WHOM RENDERED.												REMARKS.				
	Printed Form.	Manuscript.	Adjutant General.	Quartermaster General.	Secretary of State for War.	Brigade Major.	Commissary General.	Barrack Master.	Quarterly Boards.	Regimental Paymaster.	Companies.	Contingent Vouchers.		Invalid Depot, &c.	Storekeeper.	Copy as Record.	Total of each Form.
ANNUALLY:																	
Accoutrements:—Board of Survey on -	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	} To accompany Pay List.
Arms:—Return of articles for repair of, interchangeable - - - - -	2	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	
Clothing:—																	
Certificates of Compensation - W.O.	946	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Ditto - - ditto - - W.O.	947	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Ditto - - ditto - - W.O.	948	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Voucher for making up - - W.O.	949	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Demand for - - - - - W.O.	527	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	
Return of issued and received - W.O.	602	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	
Necessaries:—																	
Per Free Kit account - - W.O.	608	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2	
Return of, issued on repayment - W.O.	611	-	-	-	-	-	-	-	-	4	-	-	-	-	1	5	

To accompany Pay List.

STATEMENT of RETURNS, &c., required to be furnished by Regimental Quartermasters of the Army, &c.—*continued.*

NATURE OF RETURN.	TO WHOM RENDERED.													Copy as Record.	Total of each Form.	REMARKS.	
	Printed Form.	Manuscript.	Adjutant General.	Quartermaster General.	Secretary of State for War.	Brigade Major.	Commissary General.	Barrack Master.	Quarterly Boards.	Regimental Paymaster.	Companies.	Contingent Vouchers.	Invalid Depot, &c.				Storekeeper.
QUARTERLY:																	
Accoutrements:—																	
Abstract of sums paid incidental to - - - - - W.O.	{ 1011 D.	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Abstract of sums received - W.O.	{ 1011 E.	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Clothing:—																	
Abstract of sums paid incidental to - - - - - W.O.	616	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Ditto - - received, ditto - W.O.	617	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Return of, showing the articles sold and credited - - W.O.	605	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Necessaries:—																	
List of men paid commutation in lieu of kit - - - - - W.O.	1057	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Return of part worn knapsacks W.O.	618	-	-	-	-	-	-	-	-	1	-	1	-	-	1	3	
Fuel:—Commuted allowance in lieu of -	2	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Lodgings:—Allowance in lieu of, to non-commissioned officers and men -	2	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Barracks:—Requisition for repairs, fair wear - - - - -	2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	
MONTHLY:																	
Cooking:—																	
Report and return of - - -	2	-	-	1	-	-	-	-	-	-	-	-	-	-	1	2	
Distribution and account of sums received for offal - - -	-	2	-	1	-	-	-	-	-	-	-	1	-	-	1	2	
Ditto - - ditto - - working pay	-	1	-	-	-	-	-	-	-	1	-	-	-	-	1	2	
Fuel:—Return of savings effected in - -	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	2	
Rations:—																	
Statement and settlement of supplies of groceries - - - - -	-	2	-	-	-	-	1	-	-	-	-	-	-	-	1	2	
Return of extra - - - - -	-	2	-	-	-	-	1	-	-	-	-	-	-	-	1	2	Local.
FORTNIGHTLY:																	
Quarters:—																	
Return of, occupied by officers - -	-	2	-	-	-	1	-	-	-	-	-	-	-	-	1	2	Local.
Ditto - ditto - non commissioned officers, men, women, and horses -	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	Local.
WEEKLY:																	
Latrine:—Report - - - - -	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	
Working Pay:—Account of receipt and disbursement as required - - - -	-	2	-	-	-	-	-	-	-	-	1	-	-	-	1	2	
Receipt and delivery vouchers of stores returned - - - - -	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	2	Rendered to where the stores are consigned.]
Barracks:—Repairs incidental, fair wear, urgent - - - - - W.O.	1846	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	
Old Sheetting:—Requisitions of, and reports respecting - - - - -	-	2	-	1	-	-	-	1	-	-	-	-	-	-	1	3	

APPENDIX (F).

App. (F.)

ANSWERS from COMMANDING OFFICERS of Regiments and Depôt Battalions to the following Seven Questions from the Committee.

QUESTIONS.

1. Some quartermasters complain that their duties are enormously increased, and are become excessive. Do you consider that such is the case, judging from the duties which your own quartermaster has to perform?

2. They also complain of having to perform some duties which more properly belong to the paymaster. Judging from your own quartermaster's duties, do you consider that this complaint is well founded?

3. If you think it is the case, name the duties which, in your opinion, should be performed by the paymaster instead of by the quartermaster?

4. They complain that they have cash responsibilities. Has your quartermaster any? and if he has, what is their nature; what do they relate to; and can they be separated from the forms of returns which he has to prepare?

5. Do you think that any of the duties now performed by the quartermaster can be dispensed with without injury to the service? Mention them.

6. Do you think that the duties of the quartermaster require to be better defined than they are at present?

7. Can you offer any suggestions on this subject? Any observations you like to make will be acceptable.

(signed) *H. Eyre*, Major General,
President.

ANSWERS.

From Colonel *W. J. Ingall*, Commanding 62d Regiment.

1. I do not consider that quartermasters' duties have at all materially increased of late years, nor do I consider them at all excessive.

2. This can only refer to cash transactions, as no other part of a quartermaster's duties could be performed by the paymaster.

3. All payments and receipts of monies should be performed by the paymaster and not by the quartermaster.

4. By the regulations the quartermaster has cash responsibilities. He draws a sum of money from the paymaster on the commanding officer's order, for which he has to account, and makes the following payments, viz.: clothing, incidental account, compensation to soldiers in lieu of clothing, value of kits to re-engaged soldiers, payment to barrack master for damages, &c. in the colonies, recovery of same from companies and individuals, also recovery of money on account of clothing sold, also payment of wages to regimental tradesmen. But in the regiment under my command, nearly the whole of these payments, &c., have been made by the paymaster, either direct or through captains of companies; also the receipt of monies to be placed to the credit of the public. The adoption of this system was found to be more satisfactory to all parties concerned, the quartermaster merely rendering returns to the paymaster showing the amounts to be paid and recovered. A modification of *W. O. Forms*, 604, 605, 607, 32, 611, 1057, 616, 617 would be required. These returns should be prepared by the quartermaster, but in my regiment the paymaster prepares the majority of them, the quartermaster simply attaching his signature to comply with the form.

5. Certainly not.

6. I do; at present they are not at all well defined, more especially as regards his responsibilities.

7. I think he ought to be relieved of all cash transactions, and his duties confined to the receipt and issue of arms, accoutrements, great coats, clothing and necessities, ammunition, provisions, fuel and forage, barrack utensils, bedding, &c., the giving over and receiving over barracks, a general superintendence as to the cleanliness of barrack yards and all out-buildings, also of the regimental tradesmen. The receipt and issue to companies of camp equipage. The marking of all arms, clothing, great coats, accoutrements, where the numbers rise from one consecutively to the highest number in the regiment, should be under the quartermaster's supervision; not where the numbers only run by companies. A quartermaster's duties are so multifarious that it would be rather difficult to define the whole of them without leaving a loop-hole for a careless officer to escape censure for non-performance; but yet when the amount of duty to be performed daily is taken into consideration, it cannot be deemed too much for one officer to perform. I think a clerk should be allowed to the quartermaster to assist him in preparing the numerous returns he has to render, some of them requiring great care in their compilation.

(signed) *W. J. Ingall*, Colonel,
Commanding 62d Regiment.

Aldershot, 16 December 1864.

Col. *W. J. Ingall*.

App. (F.)

From Colonel *J. M. Kennedy*, Commandant Military Train.Col. J. M.
Kennedy.

1. THE duties of quartermaster have much increased of late years, principally from the attention now paid to the physical condition of the soldier, such as the sanitary measures now in force; the increased extent of barrack buildings with new kitchens, ablution rooms, married quarters, &c., &c., all of which are more or less in their charge; the greater accuracy of returns now that they account with Government instead of with colonels of regiments; and the improved interior economy of regiments augments their work generally.

I do not consider that the duties of a quartermaster properly performed are excessive, but I consider that they are inadequately paid for the work required.

2. Giving a general opinion, I think there is some ground for this complaint.

3. All receipts and payments of monies which now pass through the quartermaster should be received and disbursed by the paymaster, such as the compensation for clothing, barrack damages, computed allowances, charges for extra rations, for extra baggage on the march, &c., &c., in short, no money should come into a quartermaster's possession except his own pay.

4. There can be no reason why the preparation of returns or posting up the quartermaster's books should necessarily involve the receipt or disbursements of cash.

5. No, they cannot. I consider the cash responsibilities, where they exist, to be owing to the custom of the service, and not to form a legitimate part of a quartermaster's duty.

N.B.—The question of the care and transport of ammunition in the field is under consideration.

6. Yes. They should be so clearly defined that the amount of and the manner in which the duties of the quartermaster are performed should be uniform throughout that branch of the army in which he is serving.

7. The position of a quartermaster has always been most anxiously sought after by the non-commissioned officers of the army, both as an honourable position to attain and a means of providing for their families (an unmarried quartermaster

being an exception), which the appointment enabled them to do.

Formerly the pay of a quartermaster was, as is well known, supplemented from various sources, openly, as in the case of allowances from the colonels who clothed and equipped the regiments, to look after their interests, and secretly, but notoriously, by presents, both in money and in kind, from the military tradesmen and contractors of all kinds employed for the troops.

These advantages, however wrong and illegal, were looked upon as the regular perquisites of quartermasters, and the appointment was valued accordingly.

Now the supply of clothing and necessaries by the War Department, and of rations at large stations by the Commissariat, has cut off the greater part of these advantages, much to the benefit of the soldier, but greatly to the loss of the quartermaster, who finds his sources of income diminished by the change of system. In fact, under the old system, the pay of a quartermaster was increased up to an amount with which they were satisfied by a number of minute charges upon the soldier, extracted as per-centages, and from tradesmen and contractors, which method had obtained the tacit sanction of long custom.

As the case now stands, the present rate of pay is not a fair return for the work performed by efficient quartermasters, especially when their previous services in the ranks are taken into consideration, together with the closing of the road to further advancement, which makes a quartermastership the end of the career of the most meritorious non-commissioned officer in the army who accepts the commission.

It is a point to be considered whether or not it is advisable to keep up so marked a distinction as that existing between the quartermaster and the adjutant, and whether the former should not equally be commissioned as a subaltern, with a special rate of extra pay, and placed in the same relative position as an adjutant.

(signed) *J. Mark Kennedy*, Colonel,
Commandant Military Train.

Woolwich, 12 December 1864.

From Colonel *Fowler Burton*, Commanding 6th Depot Battalion.

Col. F.
Burton.

1. I CONSIDER that the duties of quartermasters in depot battalions have considerably increased, but not to that extent as to make them excessive. The amount of work in a great measure depends upon the strength of the battalion. When recruits come in fast the work increases, but when the pressure is over it necessarily becomes much lighter.

2. The only duties that I am aware of that, in my opinion, more properly belong to the paymaster, are the disbursement of public money under certain paragraphs in the clothing warrant,

and which are now performed by the quartermaster.

3. I think it would lessen the duties, and most assuredly remove a great amount of responsibility, if all cash transactions were to pass through the hands of the paymaster. The amount disbursed by the quartermaster of this battalion during the past year under various clauses of the clothing warrant was over 200 £., and at times it considerably exceeds this amount. The money transactions referred to could, I have no doubt, be separated from the forms of returns now rendered by the quartermaster.

4. I cannot

4. I cannot undertake to say that any of the duties (with the exception of the cash payments) now performed by the quartermaster could be dispensed with.

5. The duties of quartermaster are very clearly laid down, and such that any quartermaster can carry out without entailing upon himself any very great amount of physical or mental exertion.

I would suggest, if possible, that some of the returns furnished might be either discontinued or simplified. Many of them are furnished in triplicate which entail much labour.

(signed) *Fowler Burton*,
Colonel Commanding 6th Depôt Battalion.

Enclosure to Colonel *Burton's* Answer; 6th Depôt Battalion.

The cash accounts which devolve upon the quartermaster include all sums paid or received on account of the Government at the head quarters

of the regiment or depôt battalion connected with the following articles:—

Articles.	Particulars.	Remarks.
Clothing	All sums paid for making up, fitting, &c. Do. compensation for do. Do. carriage to out-stations, recruiting parties, &c. Do. sold to the men and credited to Government.	Clothing warrant, para. 38, 45. Do. 58, 67, 69, 72. Do. 113. Do. 69.
Arms, accoutrements, and great coats.	Do. for engraving, marking, and rebrowning. Do. carriage to out-stations, and receipt from. Received for articles lost or destroyed.	H.M. Regulations, 96, 101. Clothing warrant, para. 76, 79, 80, 81.
Free kit necessaries.	As sums paid for marking, or non-effective men's knapsacks. Do. commutation in lieu of free kits.	Do. 86, 87, 90, 112. Para. 102.
Working parties.	*Receipt of money for and distribution to companies.	

* I consider it would be a very great convenience to officers paying companies if the working pay were issued by the regimental paymasters—F. B.

App. (F.)
Col. F.
Burton:

From Colonel *E. Jeffreys*, Commanding 5th Depôt Battalion.

1. THE duties are very much increased at a depôt battalion, and are excessive:—

1st. From the numerous returns, letters, and accounts which the War Department require respecting clothing, free kits, and necessaries.

2d. From the operation of the Limited Enlistment Act: men who take their discharge being entitled generally to compensation for clothing, those who re-engage receive cash in lieu of free kit.

3d. From the new regulation that all men sent home for discharge on completion of 10 or 21 years' service are sent to the depôt instead of, as formerly, to the invalid depôt when it was at Chatham; such men are generally entitled to compensation.

4th. In consequence of the number of recruits, 830 have joined since the 1st January 1864.

5th. The issuing of free kits and preparing returns and accounts connected therewith.

6th. The almost daily attendance at the magazine to issue ammunition for either companies or recruits at rifle practice.

2. Yes.

3. I think the paymaster should pay the allowance in lieu of kit to re-engaged men in addition to the bounty and travelling expenses which he now pays; he might pay the compensation in lieu of clothing, the quartermaster preparing the returns.

The marking of great coats, necessaries, &c., might be paid in a similar manner; also the master tailor for alterations.

The charges could be included as hitherto in the clothing contingent accounts quarterly.

4. Yes, to the amount of 500 l. a year.

1st. Alteration of clothing.

2d. Marking free kits, great coats, &c.

123.

3d. Compensation in lieu of clothing.

4th. Allowance in lieu of kits.

5th. The value of knapsacks of non-effective men, under two years' wear, which is paid to the non-effective soldiers; the knapsack is issued to a recruit, and difference of value paid him in cash.

They cannot be separated from the present forms of returns, but the paymaster could pay the sums instead of advancing cash on account to the quartermaster and settling the account quarterly.

5. I think if arrangements could be made at the Clothing Department, Pall Mall, to allow the correspondence of a depôt battalion to be conducted as such, instead of separate letters in duplicate for each depôt, much work would be reduced.

Necessaries, except shell jackets and numerals, are issued to the depôt battalion. I think boots, cloth, and serge trousers (being part of clothing) might be issued in the same way and accounted for by depôts; three size rolls for each description of articles would then be required, or nine in all, instead of 63, a great saving of stationery and labour.

6. I think it would be difficult to define them, and the work is conducted satisfactorily.

7. I have made my suggestions in reply to each question.

I consider the quartermaster of a depôt battalion holds a very onerous and responsible position, having to account for clothing and stores of the value of about 18,000 l. annually.

As a rule, he is appointed after some years' probation as a regimental quartermaster, and might most justly be recommended for a small increase of pay.

I think if the situation of quartermaster generally were raised by an increase of pay, the appointment would ere long be sought for by the sons of poor officers and gentlemen to the prejudice

Col. E.
Jeffreys.

M

App. (F.) prejudice of the deserving non-commissioned officer.

Col. E.
Jeffreys.

I transmit copies of all the vouchers and sub-vouchers required for the pay list for one quarter for the staff and seven dépôts, prepared in triplicate, two copies for paymaster, one for quartermaster.

Also copies of requisitions for clothing, 32 sets of which (including supplementary) have been prepared in triplicate during the year.

Copies of requisitions for necessities, two of which have been prepared in triplicate, and copies of requisitions for shell jackets and numerals, two of which have been prepared in triplicate for each dépôt.

Copy of annual account of clothing, eight

sets of which (one for staff, one for each dépôt,) have been prepared in triplicate.

Copy of annual return of necessities prepared in triplicate.

From the above the Committee will have some idea of the writing and book-keeping in the quartermaster's office.

Moreover, upwards of 200 letters have been written in duplicate and copies kept.

Separate books for dépôt are kept for letters, rations, arms, accoutrements, great coats, and necessities.

(signed) *Edm. Jeffreys*, Colonel,
5th Dépôt Battalion.

Parkhurst, 12 December 1864.

From Colonel *E. Elmhirst*, Commanding 9th Dépôt Battalion.

Col. E.
Elmhirst.

1. I DO not consider that there are any just grounds for these complaints. It is true that when recruits come in fast their duties are heavy.

2. Not so in the battalion under my command, nor was it so in my late battalion (29th Regiment).

3. *Vide* answer No. 2.

4. My quartermaster has no cash responsibilities.

5. No.

6. I consider they are sufficiently clearly defined at present.

7. I would beg most respectfully to suggest a slight increase of pay be granted to quartermasters, which I certainly consider is at present too small for the duties they have to perform.

(signed) *E. Elmhirst*, Colonel
Commanding 9th Dépôt Battalion.

Colchester, 10 December 1864.

From Colonel *R. W. Macleod Fraser*, Commanding 14th Dépôt Battalion.

Col. R. W.
M. Fraser.

1. JUDGING from the duties of my own quartermaster, I consider the duties very onerous; in dépôt battalions this is more particularly applicable to office work. I think their duties have been increased.

Formerly they had many opportunities of making money. This has been, I believe, entirely done away with. Thus their situation has, I consider, retrograded in value while work has multiplied.

2. This is not so much the case as it was three or four years since, and I do not consider it amounts to a grievance. Preparations of claims for lodging, fuel, and light are, I believe, made up necessarily by the quartermaster, though it is supposed to be the duty of the paymaster.

3. He has to account for advances made on contingent clothing and payment of allowance in lieu of kits to men re-engaging.

The foregoing, however, are but a very minute portion of their real responsibilities as regards money, though not actually in the shape of cash passing through their hands; for they are responsible for every article of clothing, necessities, &c., and anything unaccounted for or deficient they would have to pay for.

4. I do not consider that any of the duties usually performed by them could be dispensed with without serious inconvenience to the service, they being of such a nature that it would be difficult to obtain officers willing to perform them, as they require special adaptation and practical knowledge.

5. I believe there are many things which can scarcely be called duties (because if so denominated they would probably be defined), but which, nevertheless, the commanding officer expects him

to do, and which, therefore, he has to do. For instance, as regards the new system of groceries, it is supposed to be done by the canteen sergeant under the canteen committee. I find in its practical working that in order to give it full effect, and that the soldiers should derive the greatest benefit, that it is necessary that the quartermaster should superintend its working. Even as regards the canteen itself, I find the greatest benefit from the supervision of the quartermaster.

Remarks.—Taking into account the great amount of duty, both as regards office and outdoor work, and his responsibility for the correctness of all description of stores intrusted to him, I am of opinion that the present position of the quartermaster should be improved. I would submit the following scale, which I think would fairly meet the case:—

1st. That all quartermasters on first appointment be placed on the same footing (irrespective of former service) as regards pay.

2d. On appointment to have relative rank as ensign with 7s. a day.

3d. After five years as quartermaster, relative rank of lieutenant with 10s. pay.

4th. After 12 years as quartermaster, 12s. 6d. pay.

5th. After 20 years as quartermaster, 15s. pay.

As many quartermasters are well fitted for paymasters, a certain fixed proportion of these latter, say one in five, be granted to them. Those selected to have served not less than 10 years as quartermaster, of course finding the usual security.

Scale

Scale for Retirement.

1. After 30 years' service in any rank, but of which five must have been as quartermaster, 7s. a day.
2. After 30 years' service in any rank, of which 10 as quartermaster, 10s.
3. After 30 years' service in any rank, of which 15 as quartermaster, 12s. 6d.
4. After 30 years' service in any rank, of which 20 as quartermaster, 15s.

The two latter, 3 and 4, to carry the honorary rank of captain.

It may appear that both scales are too high,

having regard to the pay of the combatant officers of the army, but I think it would be more just to compare the case of the quartermasters with the other non-combatants, such as paymasters, purveyors, commissaries clerks, &c., and I think it would be found that, taking into consideration their constant and onerous duties, and even more, their great responsibilities, that the position of the quartermaster requires improving.

(signed) *R. W. Macleod Fraser*, Colonel,
Commanding 14th Depôt Battalion.

App. (F.)

Col. *R. W. M. Fraser.*

From Colonel *J. R. Stuart*, Commanding 21st Regiment.

1. CERTAINLY not. The equipment and strength of a regiment is much the same as it was 30 years ago, and the quartermaster was storekeeper then the same as now, with this exception, and greatly to the advantage of the soldier, that now he can have nothing to do with the supply.

4. No; I do not think so. Formerly all monies for necessities passed through their hands to a certain extent, besides many other contingent accounts. This is no longer the case, and indeed no sums of money need pass through their hands at all, with the exception of a few pounds for compensation to men discharged from time to time, and the clothing contingent account. All other sums ought to be paid by paymasters and captains commanding companies, and I believe it an oversight when this is not the case.

7. Take everything into consideration, the quartermaster is the best paid man in a regiment for his responsibilities, and no appointment is so

anxiously sought after by the non-commissioned officer. On this point I can speak with some authority, as in four different instances I had the adjutantcy of the regiment declined with a view to obtain a quartermastership. I would, however, observe that the quarters allotted to them are very insufficient, as they are almost invariably burdened with families, and in their position the quarters now allowed is assuredly inadequate to the decencies of life. Beyond this I know of nothing they can by any possible means complain of; take their relative positions and station in life with almost any officer in the service, and how immeasurably better their position in every respect is in comparison.

(signed) *J. R. Stuart*, Colonel
Commanding 21st Regiment.

Col. *J. R. Stuart.*

Anglesea Barracks, Portsmouth,
10 December 1864.

EXTRACTS from Letters from Commanding Officers.

EXTRACT from a Letter from Lieut. Col. *Edward Newdigate*, Commanding 2d Depôt Battalion.

I CERTAINLY think that the duties of a quartermaster in a depôt battalion are arduous, in consequence of the clothing and returns connected with so many different depôts; there is certainly an allowance for a clerk, but nevertheless my quartermaster is daily employed from 9 a.m. until 4 p.m.

I have never heard the slightest complaint on the score of overwork, and I don't consider that he is called upon to perform any duties but those which properly belong to his department.

Chatham, 1 December 1864.

Lieut. Col.
E. Newdigate.

EXTRACT from a Letter from Lieut. Col. Hon. *J. Jocelyn Bourke*, Commanding 3d Depôt Battalion, Chatham.

I NOW send you a detailed statement of the quartermaster's duties of this battalion. There is no doubt that his duties are very important, and since the clothing and necessities have been supplied by the War Office, they are immensely increased, as also his responsibility. I am not prepared to say that any portion of the duties

could be more conveniently performed by any other officer of the battalion, but I think it is a question whether the business of compensation should not be entirely performed by the paymaster.

Chatham, 6 December 1864.

Lieut. Col.
Hon.
J. J. Bourke.

EXTRACT from a Letter from Lieut. Col. *Richard T. Farren*, Commanding 4th Depôt Battalion, Colchester.

I DO not consider that a quartermaster of a regiment has more duties to perform than he ought to have, or than he can properly perform; but I think that the case of a quartermaster of

a depôt battalion deserves some consideration, and that where the battalion is composed of more than a certain limited number of depôts, a pecuniary allowance in addition to his regular pay should

Lieut. Col.
R. T. Farren.

App. (F). should be given to the quartermaster, for the following reasons, viz. :—

Lieut. Col.
R. T. Farren.

1. A dépôt battalion, being formed of an aggregate of portions of various corps, and each corps being treated separately with regard to its books, and returns, and correspondence, the labour becomes multiplied in proportion to the number of such corps constituting the battalion.

2. As all regimental recruits join the dépôt in the first instance, and there receive their clothing and first equipment of necessaries, the labour in that respect is greater in each portion of the corps forming a dépôt battalion than at the service companies in each case.

3. In like manner, as time expires, men proceed from the service companies to the dépôt for discharge, their claims for compensation for clothing, together with those of invalids sent home, must be settled at the dépôt.

4. Many dépôt battalions consist of 14 companies, whereas those of the service companies of a regiment do not exceed 10. The ordinary daily details in connection with companies with regard to rations, &c., are greater at a dépôt battalion; and with respect to the monthly accounts of rations, the work in these documents is multiplied also.

5. The correspondence with the War Department being distinct and separate for each dépôt and in duplicate, the labour in that respect is multiplied many times: for instance, at the commencement of this year, it was deemed expedient to request that the transmission of the annual supplies of clothing should be expedited, and with this view, it was necessary to write 14 letters, two for each dépôt, all to the same purport, transmitted to the same department, and by the same post.

Enclosed is a memorandum showing a comparison between some of the books and documents kept and rendered by the service companies of a regiment and by a dépôt battalion consisting of seven dépôts respectively, by which it will be seen that—

The books required by regulation to be kept by the quartermaster of a regiment are 4, whereas in a dépôt battalion of 7 dépôts, there must be 32, viz., 4 for each dépôt and 4 for the staff.

That the annual statements of clothing in a regiment would be 2, whilst in the dépôt battalion there must be 16.

That a regiment furnishes 4 contingent accounts, the dépôt battalion 28.

A regiment 2 annual inspection returns of accoutrements, the dépôt battalion 16.

A regiment 15 copies of annual requisition for clothing, and the dépôt battalion 120, and supplementary ones for recruits in addition.

That a regiment would annually furnish 12 copies of requisitions and size rolls for necessaries, and the dépôt battalion 45 half-yearly, being 90 the year; and so on with regard to other documents and details.

Looking, therefore, to the additional labour entailed upon the quartermaster of a dépôt battalion, and considering the responsibility arising from the large amount of stores, of clothing, and

necessaries under his charge, and the many hours daily employed in the details of his duties, I would suggest that an allowance of a certain sum per diem in proportion to the number of dépôts forming the battalion, be granted to the quartermaster of a dépôt battalion in addition to his regular pay; and further consider that it would be a boon to that officer, and a benefit to the service, if an assistant quartermaster-serjeant was added to the establishment of a dépôt battalion composed of more than a certain number of dépôts, whose duties should be especially connected with the stores, from whence issues must be continually required, whilst the other duties of the quartermaster's department in relation to the barrack department and camp and quarters, require the quartermaster-serjeant and himself elsewhere.

I have omitted to add, that I do not think the quartermasters are liable for any cash responsibility which should properly belong to the paymaster, that is, which is not connected with the quartermaster's department. Perhaps the payments of compensation to men from the service companies could be made by the paymaster, but such payments being for clothing, are strictly within the quartermaster's province.

Camp, Colchester, 5 December 1864.

Enclosure to Lieut. Colonel Farren's Letter,
dated 5 December 1864.

MEMORANDUM.—Showing the difference of some of the duties of a regimental quartermaster and the quartermaster of dépôt battalions.

General Details.

Regiment.—10 companies.
Dépôt Battalions.—14 companies.

Clothing Requisitions.

Regiment.—For three each of the following returns, requisitions, size rolls for tunics, ditto for cloth trousers, ditto for serge trousers, ditto for boots, 15 copies.

Dépôt.—For three each of the following returns for the staff and seven dépôts, requisitions, size roll for tunics, ditto for cloth trousers, ditto for serge trousers, ditto for boots, 120 copies, and frequently supplementary requisitions on account of recruits joining.

Annual Statements of Clothing.

Regiment.—2 copies.
Dépôt.—16 copies.

Receipts of Clothing.

Regiment.—Average receipts during the year, 12.

Dépôt.—Average receipts during the year, 64.

A letter to be written at each receipt, to be sent to the brigade office for a garrison board.

Regiment.—12 letters.

Dépôt.—36 letters.

(Two or three receipts are frequently included in the same letter.)

Three proceedings of boards for each receipt.

Regiment.—36 copies.

Dépôt.—192 copies.

Issues of Clothing.

Regiment.—Nearly all made in the early part of April and October of each year.

Depôt.—Almost daily throughout the year issues take place to recruits and casualties joining.

Contingent Accounts with Voucher.

Regiment.—Quarterly, 4 copies.

Depôt.—Quarterly, 28 copies.

Settlement of Claims for Compensation of Men arriving from Service Companies.

Regiment.—Nil.

Depôt.—A great deal of work on this account, the men's names being generally entered in one return from the service companies, extracts have to be made for each man, as they prefer their claims as vouchers in support of payment. One depôt only (70th) for the quarter ending 30th June 1864, had 45 vouchers; amount paid 81*l.* 7*s.* 10*d.*

Inspection Reports of Accoutrements Annually.

Regiment.—2 copies.

Depôt.—16 copies.

Great Coats Requisition and Size Rolls.

Regiment.—Average twice each year, 12 copies.

Depôt.—Average twice each year for seven depôts, 72 copies.

Requisitions for Necessaries and Size Rolls for Jackets.

Regiment.—Abroad, annually, 6 copies; at home, half-yearly, 12 copies for the year.

Depôt.—Battalion and seven depôts, half-yearly, 90 copies for the year.

Issues of Necessaries.

Regiment.—Weekly in most regiments.

Depôt.—Almost daily throughout the year on account of recruits joining.

App. (F.)

Lieut. Col.
R. T. Farren.

Clothing Returns of Men Transferred.

Regiment.—2 copies in each case.

Depôt.—2 copies in each case for each depôt, 14 copies.

Ration Return Monthly.

Regiment.—A simple diary of the quantities of bread and meat issued.

Depôt.—A most troublesome return, with a large number of figures in fractions to be worked out.

Books.

Regiment:—

Clothing - - -	-	-	-	1
Accoutrements - -	-	-	-	1
Arms - - -	-	-	-	1
Return - - -	-	-	-	1

TOTAL - - - 4

Depôt:—

Clothing - - -	-	-	-	8
Accoutrements - -	-	-	-	8
Arms - - -	-	-	-	8
Return - - -	-	-	-	8

TOTAL - - - 32

Colchester, 4 December 1864.

EXTRACT from a Letter from Lieutenant Colonel *W. Rickman*, 6th Depôt Battalion, Walmer.

WITH regard to a quartermaster, I certainly think he is inadequately remunerated for the amount of work he has to perform, and the responsibility attached to his position.

His duties begin the first thing, and as a rule continue with but slight intermission until three or four p.m., and the public property in his hands frequently amounts to a very large sum. I am hardly prepared to call him over-worked, as that would imply he could not properly get through it, but certainly his duties are infinitely more onerous than I may say any other regimental officer, whilst his hopes of preferment are nil, and his pay small.

With regard to lightening his load, I hardly see what could be transferred, excepting the cash accounts in connection with the War Office, and even if relieved of this I question much if it would reduce the amount of labour, as they are so intimately connected with the quartermaster's work that if transferred to the paymaster it would simply reduce his responsibility to a trifling extent.

Lieut. Col.
W. Rickman.

South Hill Park, Bracknell,
5 December.

EXTRACT from a Letter from Lieutenant Colonel *Alastir MacIan MacDonald*, Commanding 7th Depôt Battalion, Winchester.

I HAVE thought over your questions regarding quartermasters, and I think their duties are very onerous; those with depôt battalions have undoubtedly had a large increase to their duties since the depôt system came into operation in 1856, although I do not think that regimental quartermasters have had more work since then than formerly.

I also think the class of quartermasters badly paid for their duties.

To instance the duties at depôt battalions, my quartermaster has to prepare returns for eight

regiments, *i.e.*, on eight separate forms, size rolls, and many other returns, all in this manner:—He has to arrange the clothing, fitting for recruits, compensation for clothing, payments with captains of companies, superintend and disburse the money to tailors, assessment of barrack damages, preparation of an infinity of letters relative to clothing [this occurs to a surprising extent, from the articles furnished being sometimes different to the sealed patterns, and every letter for every depôt having to be in duplicate], receipts for small articles, such as a colour-serjeant's decorations,

Lieut. Col.
A. MacIan MacDonald.

App. (F.)

Lieut. Col.
A. M^cIan
M^cDonald.

tions (which generally come separately), superintendence of barrack cleanliness, and repairs in every department, arrangement of fatigue parties for digging, carrying coals, &c., responsibility for issue and quality of rations (when he never can be absent), responsibility for superintendence of serjeant-cook, and his subordinates, taking lists of repairs of arms and accoutrements, and reporting if captains leave them unexecuted, packing, and forwarding injured stores which, in their detail, would show considerable labour, duties connected with boards and barrack department, where the heavy work almost always falls on the quartermaster, and responsibility for correctness of returns or forms.

Storing and being responsible for eight different depôts, kits and clothing, all kept separate: sometimes transfers from one battalion to another causes correspondence, and requests for the numbers to be altered on the shoulder straps.

And there are other multifarious duties with which I need hardly trouble you, except that of the pecuniary responsibility; about 180*l.* a year passes through our quartermaster's hands, which has to be paid away in small sums, with an infinity of trouble, care, signature, and receipts. In addition to this the receiving and distributing to captains of companies the refuse fund is one of the new duties, and tendering for its contract;

in fact, the department, in other hands than that of a working, careful, always present (and in barracks) man, could hardly be conducted. A quartermaster-sergeant and paid clerk assist.

Paymasters have not one-sixth of the work, and the pecuniary responsibility slight to a careful man, who keeps all his money in the bank; with good business habits, he has plenty of spare time, and his clerks (paymaster-sergeant, head clerk, assistant, on special occasions a fourth clerk is sanctioned), do all the work; in fact, in my view, the paymasters are merely persons whom it is convenient to have to fall upon in case any deficiency of money had to be repaid the public. I know for one-third of the amount of pay, I should be happy to undertake the work, together with my own duties, with the same staff of clerks, and give the same security. I think this was the contrast you wished drawn; it is strongly in favour of quartermasters. Nor is it fair to contrast their pay with the ranks,—sergeant-major, quartermaster-sergeant, a colour-sergeant,—from which they generally spring; they have to provide more expensive uniforms, if unmarried to dine at mess, and maintain their position in some measure as commissioned officers.

Winchester, 11 December 1864.

EXTRACT from a Letter from Lieut. Colonel *John A. Street*, C.B., Commanding 10th Depôt Battalion, Colchester.

Lieut. Col.
J. A. Street,
C.B.

I DON'T think that the quartermasters have more duty than belongs to them or than they can properly perform; they are not liable to any cash responsibility, as the money transactions are all carried out by the paymaster, he requiring the vouchers before making the payment. There is no doubt that the quartermaster of a depôt battalion, composed as we are of seven depôts, has an immense deal to do, and if properly attended to he must be at work all day. He has double the work of a regimental quartermaster, and, as you say, more to do now than under the old system, as there is a great quantity of clothing

and free kits kept in store in case of recruits joining, all of which he is responsible for; besides the writing is very considerable, as the numerous returns don't decrease. I think if the pay of a quartermaster was increased from 10*s.* to 12*s.* after 10 years' service in that rank, it would confer a great benefit on them and would not cost the country much; there could be no distinction made between quartermasters of regiments and depôt battalions, otherwise it would not be a bad plan to pay the latter according to the number of depôts forming the battalion.

Camp, Colchester, 5 December 1864.

EXTRACT from a Letter from Colonel *Francis Carey*, Commanding 26th Regiment.

Colonel
F. Carey.

THERE has been no increase of duty thrown on quartermasters since I have been at home, that is to say, for the last five years, nor can I remember any real increase since I joined the same. Exactly the same things are in their department now as then. More punctuality and regularity may perhaps be required in their dealings with the War Department than with colonels of regiments and tradesmen, but this diminishes the risk. In fact, a great deal more was left to the quartermaster's own judgment formerly than is the case now.

The present system throws no responsibility on quartermasters beyond that of looking after the stores under their charge, and of issuing them in detail. If a man neglects to make correct entries of his issues he will lose money, but in no other way is he exposed to risk.

All payments for necessities, barrack damages, sheets, &c. are made by the paymaster, and the only cash which passes through the quartermaster's hands is the small amount required to

pay tailors' and shoemakers' wages, and compensation for clothing to discharged men, which he gets in small sums from the paymaster, or a running account which can be compared and closed at any time. The forms of quartermasters' accounts and store-books have been changed, but not in any way entailing more work or increasing responsibility. I think it very desirable that a quartermaster should do most of his own work both with regard to issues of all sorts and to the looking up many things out of doors, and if he does so he has more time occupied than either paymaster or adjutant, and on the score of his simple work he is certainly well entitled to the pay he gets now at starting, and it would be but fair that he should soon get as much pay as an adjutant, but without such a scale of successive rises as should induce a man to remain after 45 or 50 years of age. I think any increase of rank would be a positive disadvantage to the service, as I am sure it would lead many to depute their sergeants to do a great deal

deal of their work, which I think the better for being personally looked after by them. There are also occasions on which the opinions of young officers might be unduly influenced if the quartermaster's position was much raised, and he were disposed to work on them. As far as the quartermaster himself is concerned, nothing is now

expected from him, and his pay goes all the farther in consequence.
I have not got before me anything to show the periods at which their pay is increased, so I speak rather at random on that head.

Portsmouth, 11 December 1864.

App. (F.)
Colonel F.
Carey.

APPENDIX (G).

App. (G.)

6TH DEPÔT BATTALION.

RETURN of SUMS disbursed by the Quartermaster from 1 April 1863, to 31 March 1864.

CORPS.	—	REMARKS.
	£. s. d.	
6th Depôt Battalion - -	208 10 -	{ This sum was paid for the several depôts for services connected with arms, accoutrements, great coats, clothing, necessaries, &c., and embraced no less than 186 monied vouchers.
$\frac{1}{2}$ Depôt - - - -		
$\frac{1}{2}$ " - - - -		
$\frac{1}{2}$ " - - - -		
$\frac{1}{2}$ " - - - -		
$\frac{1}{2}$ " - - - -		

(signed) J. Morris,
Quartermaster, 6th Depôt Battalion.

APPENDIX (H).

App. (H.)

Sir, Walmer, 5 December 1864.
WITH reference to the question put to me when I was before the Committee on the 30th November, viz., "whether I thought any of the numerous returns which are rendered by the quartermaster to the several departments of the Government could be dispensed with?" I have the honour to state, that, after mature consideration, and keeping in view the necessity for a proper check and supervision of the stores by the several departments of the Government, and also bearing in mind the system on which the Government accounts are kept, I am not prepared to suggest that any of them, however voluminous they may be, should be discontinued.
I am, however, anxious to remark to the Committee that, with very few exceptions, the returns are all rendered in duplicate (besides the office copy) and some in triplicate, which of course entails great additional labour; for instance, when application for the clothing for this battalion is made, I have to make out no less than 144 documents, three-fourths of which are sent to the

adjutant-general, War Office, &c., which number, however, does not include the various returns connected with the receipt, inspection by the boards of survey, issue to the soldier, fitting, marking, accounting for, &c., for the clothing in question.
But I may be permitted to add it is not the vast amount of work and responsibility, however great, and which I believe is performed cheerfully, and generally with zeal and ability, that the quartermasters complain of, for they feel that that cannot be avoided, but it is the very inadequate pay and non-promotion while serving, and retiring allowance, as compared with other regimental and staff officers, whose duties and responsibilities are by no means so vast as the quartermaster's.
(signed) J. Morris,
Quartermaster 6th Depôt Battalion.
To Major-General Eyre, President,
Committee on the
Case of the Quartermasters.

REGIMENTAL QUARTERMASTERS.

COPY of the REPORT of the COMMITTEE ON
REGIMENTAL QUARTERMASTERS.

(*Sir Frederic Smith.*)

Ordered, by The House of Commons, to be Printed,
13 March 1865.

[*Price 1s.*]

123.

Under 12 oz.

R I F L E D G U N S .

RETURN to an Address of the Honourable The House of Commons,
dated 24 March 1865 ;—for,

“COPY of the REPORT recently made by the ORDNANCE SELECT COMMITTEE
on the TRIALS in firing SHOT from the 7-inch Competition GUNS, Rifled on
the LANCASTER, FRENCH, and SCOTT SYSTEMS.”

War Office, }
3 July 1865. }

HARTINGTON.

REPORT of the ORDNANCE SELECT COMMITTEE on the Trial of the 7-inch WROUGHT IRON GUNS Rifled on various Systems.

O. S. C. subject, No. 1929. W. O. registry, 80—G. No.—726.

Brigadier General Lefroy, R. A.
Captain L. G. Heath, c.B., R. N.
Colonel Hogge, c.B., R. A.
Colonel Younghusband, R. A.
Lieutenant Colonel R. S. Baynes, Unattached.
Lieutenant Colonel Gallwey, R. E.
Captain Heyman, R. A., Secretary.
Captain Haig, R. A., Assistant Secretary.

(Minute 13,652. 11/11/64.)

REPORT, No. 3575. (21/12/64.)

1. THE competitive trial between the 7-inch 149 cwt. guns rifled for testing the systems advocated by Commander Scott, R.N., Mr. Lancaster, Mr. Jeffery, and Mr. Britten, in comparison with one another, and with that which is said to have been adopted in the French service, have now been carried out so far as to justify the Committee in reporting the results, for the information of the Secretary of State for War.

These guns were ordered on Minutes 8056-7-8 and 9161, at the request of the above-named gentlemen, who were rivals in the cast-iron rifled gun competition, reported on Minute 8365, Report 2685.

The difference between the systems of Messrs. Jeffery and Britten consisted substantially in the method of attaching lead to the base of the projectiles, and one gun only was prepared for these two gentlemen.

The French gun was added at the request of the Committee.

2. The Committee, warned by experience of the former competition, determined on this occasion to limit the trial strictly to the rifling of the guns, and they therefore endeavoured to eliminate all other sources of difference, and themselves fixed a uniform weight, and form, and windage of shot, and also the charges of powder.

Mr. Lancaster's shot are slightly shorter than the others, because the Committee had previously determined that the term “7-inch” gun should mean a gun down which a 7-inch spherical shot could be rolled, and under that definition the internal sectional area of an oval bored gun must necessarily be larger than that of a grooved gun of the same nominal calibre.

The Committee would gladly have confined the competition to the same amount of twist, but it was clear that the expanding projectiles of Messrs. Jeffery and Britten would be unfairly treated if fired from a gun with as sharp a spiral as would suit the other competitors; and, moreover, the French system is that of an increasing twist, whilst that of the others is uniform. They therefore allowed each competitor full latitude in this respect.

3. *Description of the Guns.*

The guns are muzzle-loading. They have solid steel tubes three inches thick, a solid forged breeched piece, and external strengthening coils. Their weight averages 149 cwt., and the length of bore is 10 feet 6 inches. Cammell's steel is used in Scott's, Lancaster's, and the Jeffery and Britten guns, and Firth's steel in the other. They are vented 5·75 inches from the end of the bore, being the position to give the greatest initial velocity with a charge of 20 lbs.

Commander Scott's gun is rifled in five grooves, which are shallower on the loading side than on the driving side. The surface of the ribs on the shot and the bottom of the grooves in the gun are struck with the same radius, by which, in combination with the curves he has chosen for the driving side. Commander Scott hopes to attain a perfect centring for his shot. The rifling has a spiral of one turn in 294 inches.

Mr. Lancaster's gun is oval bored; the major axis being 7·60 inches, minor axis, 7·00 inches. The rifling makes one turn in 360 inches.

The gun provided for Messrs. Jeffery and Britten has 13 grooves, each 0·10" in depth and $\frac{1}{86}$ of the circumference in width, or 0·846 inch. The rifling makes one turn in 805 inches.

The French gun is rifled in three grooves 0·25" deep and 2·09" wide. The rifling begins in a straight line, and increases gradually until it leaves the bore, with an inclination of one turn in 259 inches.

4. *Description of Carriages, &c.*

The guns were mounted on wooden garrison carriages with traversing platforms, working at first on raised racers, but the spindles of the rollers proving too weak, the platforms were subsequently placed upon the ground. The platforms were inclined at an angle of 4° 36' to 5° and no compressors were used.

5. *Description of Projectiles.*

1st supply (solid shot)	$\left\{ \begin{array}{l} \text{weight, 110 lbs. } \pm 2 \text{ lbs.} \\ \text{windage } \left\{ \begin{array}{l} \text{over body, } 0\cdot05'' \pm 0\cdot02'' \\ \text{over studs, } 0\cdot03'' \pm 0\cdot01'' \end{array} \right. \end{array} \right.$
2d supply (shot hollowed) at base	$\left\{ \begin{array}{l} \text{weight, 100 lbs. } \pm 2 \text{ lbs.} \\ \text{windage } \left\{ \begin{array}{l} \text{over body, } 0\cdot08'' \pm 0\cdot02'' \\ \text{over studs, } 0\cdot05'' \pm 0\cdot01'' \end{array} \right. \end{array} \right.$

These latter shot were of the same length as the first supply, but reduced in weight by boring out at the base.

3d supply (solid shot)	$\left\{ \begin{array}{l} \text{weight, 100 lbs. } \pm 2 \text{ lbs.} \\ \text{windage } \left\{ \begin{array}{l} \text{over body, } 0\cdot08'' \pm 0\cdot02'' \\ \text{over studs, } 0\cdot05'' \pm 0\cdot01'' \end{array} \right. \end{array} \right.$
---------------------------	--

The first supply were ordered with a smaller windage than that which the Committee consider it necessary to allow for service shot, in order that the very best shooting qualities of the guns might be developed.

Those of Commander Scott had simply five iron ribs with two very small copper studs inserted in the driving face of each. The total bearing length was about 9·2 inches. The entire surface of the cylindrical part of the shot was planed. Mr. Lancaster's shot were also turned, over the cylindrical part, and had four small brass studs on the loading quadrants.

Jeffery's and Britten's shot call for no particular description, both of them were leaded at the base and had wooden bottoms. Mr. Jeffery added a band of greased flannel round the leaded part of his shot.

The projectiles on the French system had three large zinc half studs in front, supported by an iron back, and three smaller ones behind.

The second and third supplies were made with the service windage; and with a view to placing the competition with these projectiles as nearly as possible on the footing of actual service, one-half of the third supply was painted with two coats of paint, and the remainder allowed to rust by exposure to weather. For the same reason, a proportion of the second supply was carted a distance of 200 miles.

6. Besides the differences between the three supplies, as to weight and windage, described above, which were common to all the competitors, there were as regards Commander Scott's and the French projectiles, special differences which require particular notice. In the second and third supplies made for Commander Scott the iron ribs were faced with strips of zinc inserted
in

in grooves planed in the body of the shot, and further supported by two tenons let into the iron rib; whilst in the French projectiles of the second supply a stronger mode of fastening the studs was adopted, giving support to the back studs against the first violent shock of the gunpowder, and in the third supply the arrangement of the studs was altogether altered, on a plan suggested by Major Palliser; the metal was changed from zinc to gun-metal; the smaller stud was placed in front, and the larger one behind; both were attached in a different manner.

7. *Description of Cartridges.*

The powder used was A 4; the cartridges were made up to a uniform diameter of 6·5 inches. During the first 30 rounds lubricators were used, which were of 6·3 inch diameter, leaving therefore an air-space close to the base of the shot, which caused all the guns to indent in that part of the bore; from that time forward no lubricators were used, but the felt wad was retained, and an ordinary grummet wad placed behind the felt, so as more completely to fill up the air-space. Subsequent examination of the bore showed no further increase of the indent.

Dry sponging was used for the first 45 rounds, and would apparently have sufficed for keeping the guns clean, but the loading of Lancaster's gun with the second supply of shot was so difficult that a wet sponge had to be used with that gun, and it was then used with the others also, so that all might be on the same footing.

GENERAL RESULTS.

8. *Lead-coated expanding Projectiles.*

A very short experience showed that the systems of Messrs. Jeffery and Britten were unsuited for heavy charges; large pieces of lead were blown off the shot, and the shooting was so wild as to throw these systems entirely out of the competition. They will not be further referred to in this report, but the details of firing will appear in the Appendix.

9. *Endurance.*

About 350 rounds have now been fired from each gun. This is insufficient to test the endurance of guns such as these, but it is sufficient to indicate that with steel-lined guns there need be no fear of the breaking down of the grooving by the abrasion of the ribs or studs in either of these systems; at all events when in Commander Scott's system soft bearings are used.

The peculiar eating away of the centre of the end of the powder chamber, shown in Plate IV., may be due to the softness of the core of the steel lining, or the conical form given originally to these chambers, but, whatever the cause may be, it seems common to the three guns; and, although the defect has developed itself most plainly in Commander Scott's gun, the Committee do not think it is attributable to any peculiarity in his mode of rifling.

The Committee can see no reason at present for placing one gun before the other in point of endurance.

10. *Easiness of Loading.*

The French gun was certainly the easiest to load; but there is nothing to complain of in this respect in Commander Scott's gun. Mr. Lancaster's shot were all got home with more or less difficulty, and in some cases a metal rammer had to be used.

11. *Liability of the Projectiles to Injury from Rough Usage.*

None of these descriptions of shot are liable to injury from knocking about; but the Lancaster should take the first place in this respect; Commander Scott's 1st plan, the second place; the French shot on Palliser's system, the third; and Commander Scott's 2d plan, the last.

12. *Recoil.*

There seems no practical difference between the guns in this respect.

In the early part of the trial the Scott gun had the greatest recoil, but on an exchange of carriages with the French gun, their places in this respect were reversed.

13. *Initial Velocity.*

The initial velocity of elongated projectiles discharged from guns of equal length and calibre depends upon the charge of powder, the weight of the shot, and the peculiarities of the grooving. In these experiments, it was intended to eliminate, as much as possible, all differences between the competitors, except those of grooving, and, as before stated, the Committee themselves fixed the weight of projectiles, and also of the powder charge; they allowed ± 2 lbs. as the limits of weight to the manufacturer of the projectiles, and it appears that Commander Scott's projectiles, although well within the manufacturing limits, are yet generally lighter than those of the other competitors. This slight difference need not be considered when discussing the ranges attained, but the Committee have thought it right to reduce the observed initial velocities to that which would have been shown in projectiles of exactly 110 lbs. and 100 lbs. weight respectively. The gun rifled on the French system has somewhat decidedly the lowest velocities, and Mr. Lancaster's, on the whole, the highest. He is in every instance superior in this respect to Commander Scott, but is exceeded once by Mr. Jeffery and once by Mr. Britten.

The following Table contains the results in full:—

TABLE I.

Systems.	As observed.			Reduced to Equal Weights 110 lbs. and 100 lbs.			With Round Shot.	
	Charges.			Charges.			Charges.	
	25 lbs.	20 lbs.	12 lbs.	25 lbs.	20 lbs.	12 lbs.	20 lbs.	12 lbs.
<i>Nominal Weight of Projectiles 110 lbs.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Britten - - -	1,582	1,508	1,300	1,581	1,504	1,295	-	-
Jeffery - - -	1,596	1,510	1,286	1,598	1,508	1,286	-	-
Lancaster - - -	1,610	1,496	1,278	1,618	1,504	1,283	-	-
Scott - - -	1,594	1,502	1,277	1,583	1,493	1,270	-	-
French - - -	1,529	1,444	1,254	1,526	1,441	1,252	-	-
<i>Nominal Weight of Projectiles 100 lbs.</i>								
Lancaster - - -	1,686	1,557	1,355	1,687	1,558	1,356	1,983	1,666
Scott - - -	1,632	1,548	1,352	1,625	1,541	1,346	2,162	1,827
French - - -	1,603	1,545	1,319	1,609	1,552	1,325	2,081	1,718

14. *Range and Accuracy.*

In considering the order of merit, as to range and accuracy, the Committee are inclined to rely chiefly upon the results recorded with the 3d supply of projectiles, because there is no doubt that the 1st and 2d supply of French projectiles were not studded on the best principles, and placed the gun (which is the thing to be tried) at a great disadvantage. The same remark applies to the 2d supply of Commander Scott's projectiles, reduced to 100 lbs. in weight, by boring out from the rear. Some of these broke up in the gun, from the weakening of the hollow projectile by the grooves in which Commander Scott had placed his zinc ribs, and several others were found on recovery to be more or less damaged from the same cause. On the other hand, it must not be overlooked that the reduction of weight placed Mr. Lancaster at a disadvantage in respect to the length of bearing of his shot, which was reduced from 8 to 7 inches.

15. The Committee having determined to give the detailed records in an Appendix, are anxious not to confuse the body of the report by the introduction of more figures than are necessary; they, therefore, record, in the first of the following Tables, only the mean range, the mean deviation from that mean range, and the reduced deflection. This last term has always been used in tables of this nature, but it is not self-explanatory, and it is as well to state that it means the mean lateral deviation from the mean line of fire. The Committee wish also to explain that the table headed "general means" represents no actual result, but it is introduced to collect into one line the aggregate results of the practice with the three charges of powder at the three elevations.

TABLE II.
PRACTICE for RANGE and ACCURACY.—Third Supply of Projectiles—100 lbs.

Number of Rounds Fired.	Nature of Gun.	Elevation.	Charge.	Mean Range.	Mean Deviation from Mean Range.	Mean Reduced Deflection.
		°	Lbs.	Yds.	Yds.	Yds.
11	Scott - - -	2	12	1,157	36·9	1·7
10	" - - -	2	20	1,416	29·8	1·2
10	" - - -	2	25	1,560	70·7	3·2
10	" - - -	5	12	2,201	62·2	3·2
10	" - - -	5	20	2,635	30·6	2·6
10	" - - -	5	25	2,793	59·6	3·7
10	" - - -	10	12	3,712	44·4	10·8
10	" - - -	10	20	4,239	34·1	23·8
10	" - - -	10	25	4,450	59·8	10·3
Means - - -				9) 24,163 2,685	9) 428·1 47·6	9) 60·5 6·7
11	Lancaster - -	2	12	1,173	50·5	3·7
10	" - - -	2	20	1,416	21·2	3·3
10	" - - -	2	25	1,520	34·4	1·5
10	" - - -	5	12	2,236	60·4	4·2
10	" - - -	5	20	2,640	17·7	4·8
10	" - - -	5	25	2,784	36·9	2·6
10	" - - -	10	12	3,977	50·4	18·6
10	" - - -	10	20	4,498	35·9	17·5
10	" - - -	10	25	4,613	36·9	10·4
Means - - -				9) 24,857 2,762	9) 344·3 38·3	9) 66·6 7·4
11	French - - -	2	12	1,143	11·5	0·5
10	" - - -	2	20	1,384	29·1	0·8
10	" - - -	2	25	1,446	19·9	2·0
5	" - - -	5	12	2,285	46·2	1·5
10	" - - -	5	20	2,538	23·1	2·9
10	" - - -	5	25	2,716	35·9	2·6
5	" - - -	10	12	3,909	21·8	7·2
10	" - - -	10	20	4,350	31·7	5·7
10	" - - -	10	25	4,566	25·6	9·1
Means - - -				9) 24,337 2,704	9) 244·8 27·2	9) 32·3 3·6

GENERAL MEANS.

Nature of Gun.	Mean Range.	Mean Deviation from Mean Range.	Mean Reduced Deflection.
	Yds.	Yds.	Yds.
Scott - - - - -	2,685	47·6	6·7
Lancaster - - - - -	2,762	38·3	7·4
French - - - - -	2,704	27·2	3·6

16. Cost of Rifling.

There is no difference worth mentioning in the cost of rifling on these three systems.

17. Cost of Projectiles.

The Superintendent Royal Laboratory states that the cost of projectiles weighing 100 lbs. would be respectively :—

	£.	s.	d.	
Scott's 1st system - - -	442	14	-	per 1,000.
" 2d " - - -	727	1	1	"
Lancaster's - - -	450	11	7	"
French, on original plan - -	570	6	9	"
" on Palliser's plan - -	534	8	-	"

18. *Value as Shell Guns.*

There seems no reason for doubting that these guns will have the same relative value as shell guns, as they have when used with solid projectiles. The shells may be equal in length and weight, and carry equal bursting charges.

19. *Capability of firing Round Shot.*

The Committee attach some importance to the power of firing round shot.

The supply of rifled projectiles will always be limited, from their bulk and weight, and cost. It is not to be expected that they will be expended so freely as round shot, which will also be good enough for many instructional and other purposes, and can be carried in any desirable quantities. The existing 18-pounder, 24-pounder, 32-pounder, and 68-pounder round shot of the service are not prepared for wooden bottoms, but those for 6-pounder, 9-pounder, and 12-pounder brass field-guns are so; the Committee therefore fired some round shot loose and some riveted. They were specially cast for the calibre, and weighed 43 lbs. 6 oz. Mr. Lancaster prepared his round shot for firing with special wooden tops and bottoms of an oval form, fitting the bore of the gun accurately. No material advantage was gained by their use, and it is evident that such a special provision would, on many accounts, be objectionable.

TABLE III.

RESULTS of Practice with Round Shot, both loose and riveted to wooden bottoms.

The shot fired from the Lancaster Gun had oval tops and bottoms.

Charge.	Elevation.	No. of Rounds.	SCOTT.			LANCASTER.			FRENCH.		
			Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.
			Shot loose.								
<i>Lbs.</i>	°		<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>
12	2	10	1,276	63·6	4·6	1,096	68·2	3·3	1,176	50·0	3·9
12	5	10	2,140	97·4	9·5	1,956	69·3	8·6	2,034	54·3	7·2
20	2	10	1,497	52·9	6·9	1,262	72·7	4·8	1,410	62·1	5·4
20	5	5	2,278	56·4	21·5	2,211	20·4	12·2	2,264	30·8	8·0
			Shot riveted to wood bottoms.								
12	2	10	1,350	104·0	5·1	1,157	64·1	4·3	1,247	54·5	5·3
12	5	5	2,260	116·7	24·1	1,943	87·8	7·0	2,116	90·2	7·8
20	2	10	1,473	84·4	6·2	1,387	99·6	5·2	1,375	63·7	4·4
20	5	5	2,274	77·6	14·5	2,232	84·8	10·1	2,238	42·0	11·8

Commander Scott's gun has the advantage of both the others in point of range with round shot, but is very much inferior to both in uniformity of range and accuracy. It is worthy of remark that the charge of 20 lbs., which is nearly half the shot's weight, gives an increase of velocity of only 271 feet, and only 200 yards, or thereabouts, of additional range, over the charge of 12 lbs.; which latter charge, with the small windage allowed, gives a considerably higher velocity than that of the service 32-pounder or 68-pounder shot.

20. The Committee have now placed the Secretary of State in possession of all the data that are requisite for comparing these five systems of rifling as applicable to heavy battering guns using a charge of one-fifth or one-fourth the weight of the shot.

The gun rifled on the French system, with arrangement of the studs suggested by Major Palliser, gives by far the best result, so far, in point of accuracy, the trial not having proceeded beyond solid shot of the forms and weights specified. It was the easiest to load, and, although somewhat inferior to Commander Scott's gun in respect to firing round shot, is in every other respect equal or superior

superior to it. The Committee also prefer it to Lancaster's, although Mr. Lancaster has subsequently shown how, in his opinion, his shot may be made very easy to load without increase of mean windage, by taking the windage allowed chiefly off the third quadrant of the shot.

The Committee are confirmed in the preference expressed above by the superiority which the French system of rifling evinced over the former plans of the same gentleman when tried in rifled cast-iron 32-pounder guns in 1862.

For reasons already given they reject both the systems of lead-coated projectiles as unsuitable for heavy charges.

21. The charge of 12 lbs. being that of the service breech-loading 7-inch gun, the Committee subjoin a table by which it will be seen that, notwithstanding the advantage the muzzle-loading guns had in point of length and weight, they none of them quite equal that gun in point of accuracy, even with the shot of the third supply, weighing 100 lbs., which are to be chiefly regarded.

However, the French rifled gun is but inferior up to 5°. The practice quoted was made in February last, to try a 110-pounder gun from which the muzzle grip had been removed.* Something may perhaps be allowed for a small difference in the form of head, but this difference was not sufficient to have operated materially against the competitive shot.

TABLE IV.

G U N.				2°						5°						10°		
	Charge.	Shot.	No. of Rounds.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.	No. of Rounds.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.	No. of Rounds.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.	No. of Rounds.	Mean Range.	Mean Difference of Range.	Mean Reduced Deflection.
	<i>Lbs.</i>	<i>Lbs.</i>		<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>		<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>		<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>		<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>
Armstrong 7-in. B. L.	12	110	20	984	10·7	0·7	20	1,972	13·0	1·6	{ 10 10	3,468 3,418	11·8 27·9	2·5 2·9				
French 7-in. M. L. -	12	110	4	1,152	19·7	0·8	4	2,219	54·5	2·8	4	3,908	136·5	8·3				
	12	100	11	1,143	11·5	0·5	5	2,285	46·2	1·5	{ 5 5	3,951 3,868	12·4 31·2	19·2 7·6				
Scott's 7-in. M. L. -	12	110	5	1,213	21·4	0·8	5	2,286	49·6	5·4	5	3,909	109·8	40·7				
	12	100	-	-	-	-	10	2,201	62·2	3·2	5	3,695	48·0	3·6				
	12	100	10	1,157	36·9	1·7	-	-	-	-	5	3,730	40·8	18·0				
Lancaster's 7-in. M. L.	12	110	5	1,198	25·4	0·8	5	2,287	57·2	1·2	5	3,907	24·8	4·0				
	12	100	11	1,173	50·5	3·7	-	-	-	-	-	-	-	-				
	12	100	-	-	-	-	10	2,236	60·4	4·2	{ 5 5	3,945 4,010	58·0 42·8	21·0 16·3				

22. The Committee having received permission, on the 29th October 1864, (80—G. No.—721. Min. 13,538), to try a 149 cwt. 7-inch gun, shunt rifled, in comparison with the above competitive guns, are now waiting for the means of doing so; and, until such comparison is made, do not feel warranted in making any definitive recommendation on the facts now reported.

The guns also being essentially shot guns, the present trial has been restricted to solid projectiles; nor do the Committee think it probable that any disparity will appear in their performance with longer projectiles, which can alter the order in which they now stand, but at the same time they think it quite necessary to fire some common shells; and as the differences as yet elicited between the three systems left in competition are not such as to disqualify absolutely any one of them, they wish to reserve their final report until these shells have been fired, and the shunt gun tried.

(signed) *J. H. Lefroy*, Brigadier General, R.A.,
President.

* See Minute 11,145, p. 30.

REPORT, No. 3575.—APPENDIX, 1 A.

ABSTRACT of Results of Shot Practice with a 7-inch Muzzle-loading Gun, rifled on Commander Scott's system.

D A T E.			Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean observed Deflection.	Mean reduced Deflection.	REMARKS.	
1864:				°	Lbs.	Yards.	Yards.	Yards.	Yards.		
Solid shot; 1st supply; 110 lbs.											
14 July	-	-	10	2	25	1,604	15·6	3·3	2·4	Travelled 200 miles.	
27 "	-	-	5	2	"	1,547	21·8	4·5	1·0		
13 "	-	-	10	5	"	2,834	35·6	24·6	7·1		
27 "	-	-	5	5	"	2,994	48·8	12·1	3·7		
12 "	-	-	5	10	"	4,695	26·8	80·6	24·9		
14 "	-	-	5	10	"	4,779	31·4	95·4	8·9		
26 "	-	-	5	10	"	4,922	87·4	61·5	20·6		
15 "	-	-	10	2	20	1,462	21·5	3·7	0·9		
27 "	-	-	5	2	"	1,495	11·2	3·8	2·2		
26 "	-	-	10	5	"	2,741	44·7	21·2	3·3		
10 "	-	-	10	5	"	2,621	69·7	23·8	4·3		
27 "	-	-	5	5	"	2,810	56·8	4·9	3·6		
15 "	-	-	10	10	"	4,444	63·8	29·0	28·2		
26 "	-	-	5	10	"	4,440	69·2	7·3	7·0		
27 "	-	-	5	2	12	1,213	21·4	4·1	0·8		
27 "	-	-	5	5	"	2,286	49·6	4·8	5·4		
27 "	-	-	5	10	"	3,909	109·8	40·1	40·7		
Hollow shot, zinc ribs; 2d supply; 100 lbs.											
20 October	-	-	10	2	20	1,442	51·4	3·3	2·5		
29 September	-	-	20	5	"	2,671	45·7	12·6	3·8		
10 October	-	-	10	5	"	2,630	45·0	23·4	1·6		
20 "	-	-	10	5	"	2,834	47·9	9·2	4·6		
Solid shot, zinc ribs; 3d supply; 100 lbs.											
27 September	-	-	11	2	25	1,560	70·7	7·1	3·2	Painted. ditto. ditto. Exposed. ditto. ditto. Painted. Exposed. Painted. Exposed. Painted. Exposed.	
27 "	-	-	10	2	20	1,416	29·8	7·4	1·2		
27 "	-	-	10	2	12	1,157	36·9	4·9	1·7		
6 October	-	-	10	5	25	2,793	59·6	20·9	3·7		
6 "	-	-	10	5	20	2,635	30·6	12·5	2·6		
6 "	-	-	10	5	12	2,201	62·2	4·9	3·2		
28 September	-	-	5	10	25	4,434	61·4	49·8	10·2		
28 "	-	-	5	10	"	4,467	58·2	29·0	10·4		
28 "	-	-	5	10	20	4,202	32·8	36·7	21·0		
28 "	-	-	5	10	"	4,276	35·4	57·1	26·7		
28 "	-	-	5	10	12	3,695	48·0	63·0	3·6		
28 "	-	-	5	10	"	3,730	40·8	40·5	18·0		
Round shot of 43·4 lbs., riveted to wood bottoms.											
11 October	-	-	10	2	20	1,473	84·4	8·4	6·2		
11 "	-	-	10	2	12	1,350	104·0	6·3	5·1		
11 "	-	-	5	5	20	2,274	77·6	36·1	14·5		
11 "	-	-	10	5	12	2,260	116·7	26·6	24·1		
Loose round shot.											
12 October	-	-	10	5	12	2,140	97·4	23·6	9·5		
Recovered loose round shot.											
13 October	-	-	10	2	20	1,497	52·9	7·5	6·9		
13 "	-	-	5	5	"	2,278	56·4	31·6	121·5		
13 "	-	-	10	2	12	1,276	63·6	9·0	4·6		

APPENDIX, 1 B.

ABSTRACT of Results of Shot Practice with a 7-inch Muzzle-loading Gun, rifled on the French System.

DATE.	Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean observed Deflection.	Mean reduced Deflection.	REMARKS.
1864:		°	Lbs.	Yards.	Yards.	Yards.	Yards.	
Solid shot; 1st supply; 110 lbs.								
14 July - -	10	2	25	1,500	52·4	4·6	2·0	
27 " - -	5	2	"	1,420	81·8	3·6	1·6	
18 " - -	10	5	"	2,713	36·1	21·9	4·7	
27 " - -	5	5	"	2,788	41·8	18·7	4·9	
12 " - -	5	10	"	4,489	48·2	30·2	10·8	
14 " - -	5	10	"	4,543	45·8	38·5	22·4	
26 " - -	5	10	"	4,586	82·6	52·4	24·5	Hind buttons cut off.
15 " - -	10	2	20	1,386	35·4	2·2	0·7	
26 " - -	10	5	"	2,612	33·3	21·2	2·0	
10 October - -	10	5	"	2,405	57·1	21·8	5·2	Zinc buttons; travelled 200 miles, and rusty.
15 July - -	10	10	"	4,210	46·2	41·6	14·6	
27 " - -	4	2	12	1,152	19·7	3·7	0·8	
27 " - -	4	5	"	2,219	54·5	6·1	2·8	
27 " - -	4	10	"	3,908	136·5	33·8	8·3	
Hollow shot; 2d supply; 100 lbs.								
20 October - -	10	2	20	1,348	127·3*	8·2	7·5	Zinc on bearing side of button. Zinc of top button filed down to 1·94".
10 " - -	10	5	"	2,456	47·6	27·5	7·2	
20 " - -	10	5	"	2,606	36·7	14·6	5·4	
29 September - -	10	5	"	2,519	40·4	25·5	3·6	Zinc buttons.
6 October - -	10	5	"	2,538	23·1	17·8	2·9	
6 " - -	5	5	12	2,092	52·6	8·7	5·6	Buttons filed down '5".
Solid shot; 3d supply; Palliser's buttons; 100 lbs.								
27 September - -	10	2	25	1,446	19·9	3·2	2·0	Painted.
27 " - -	10	2	20	1,384	29·1	3·8	0·8	ditto.
27 " - -	11	2	12	1,143	11·5	3·6	0·5	ditto.
6 October - -	10	5	25	2,716	35·9	22·7	2·6	Rusted.
29 September - -	10	5	20	2,640	27·4	30·6	3·3	
6 October - -	5	5	12	2,285	46·2	16·6	1·5	Exposed.
28 September - -	5	10	25	4,573	23·0	122·9	6·3	Painted.
28 " - -	5	10	"	4,559	28·2	118·9	11·9	Exposed.
28 " - -	5	10	20	4,379	19·6	98·5	4·0	Painted.
28 " - -	5	10	"	4,322	43·8	102·9	7·4	Exposed.
28 " - -	5	10	12	3,951	12·4	68·5	19·2	Painted.
28 " - -	5	10	"	3,868	31·2	101·7	7·6	Exposed.
Round shot of 43·4 lbs.; riveted to wood bottoms.								
11 October - -	10	2	20	1,375	63·7	8·4	4·4	
11 " - -	10	2	12	1,247	54·5	8·4	5·3	
11 " - -	5	5	20	2,238	42·0	26·2	11·8	
11 " - -	10	5	12	2,116	90·2	18·5	7·8	
Loose round shot.								
12 October - -	10	5	12	2,034	54·3	13·9	7·2	
Recovered loose round shot.								
13 October - -	10	2	20	1,410	62·1	8·9	5·4	
13 " - -	5	5	"	2,264	30·8	10·3	8·0	
13 " - -	10	2	12	1,176	50·0	6·1	3·9	

* The first 10 rounds on this day were experimental, with all the guns, to try the effect of omitting the felt and grummet wad (Par. 7); it was noticed at each round, from the 3d to the 6th inclusive, that a stud appeared to detach itself from the French shot during flight. The results must therefore be neglected in comparisons of accuracy.

APPENDIX, 1 B.—continued.

Besides the foregoing rounds, 24 preliminary rounds were fired from the French gun on the 28th June 1864, the results of which are contained in the following Abstract:

D A T E.	Number of Rounds Fired.	Eleva ion.	Charge.	Mean Range.	Mean Difference of Range.	Mean observed Deflection.	Mean reduced Deflection.	REMARKS.
1864:		°	Lbs.	Yards.	Yards.	Yards.	Yards.	
28 June - -	3	1	20	928	24.0	2.2	1.6	Solid shot, first supply, 110 lbs.
28 „ - -	3	2	20	1,387	48.3	3.3	2.0	
28 „ - -	3	5	20	2,590	7.0	14.7	2.2	
28 „ - -	3	10	25	4,420	70.3	31.0	5.3	
28 „ - -	3	1	25	952	9.0	2.1	0.6	
28 „ - -	3	2	25	1,466	25.7	5.3	0.6	
28 „ - -	3	5	25	2,742	31.7	17.0	0.7	
28 „ - -	3	10	25	4,701	53.7	34.3	8.4	

APPENDIX, 1 C.

ABSTRACT of Results of Shot Practice with a 7-inch Muzzle-loading Gun, rifled on Mr. Lancaster's System.

D A T E.	Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean observed Deflection.	Mean reduced Deflection.	REMARKS.
1864:		°	Lbs.	Yards.	Yards.	Yards.	Yards.	
Solid shot; 1st supply; 110 lbs.:								
14 July - -	10	2	25	1,590	28.8	4.1	2.0	Travelled 200 miles, and rusty.
27 „ - -	5	2	„	1,545	36.0	3.2	0.7	
13 „ - -	10	5	„	2,817	18.9	25.2	3.6	
27 „ - -	5	5	„	2,903	32.0	21.0	2.7	
12 „ - -	5	10	„	4,487	16.5	74.0	4.5	
14 „ - -	5	10	„	4,605	25.6	80.9	6.6	
26 „ - -	5	10	„	4,757	127.2	110.1	20.5	
15 „ - -	10	2	20	1,455	27.3	4.5	2.0	
27 „ - -	5	2	„	1,380	34.0	3.1	1.8	
26 „ - -	10	5	„	2,683	22.6	30.5	4.8	
27 „ - -	5	5	„	2,611	43.0	15.0	2.1	
10 October - -	10	5	„	2,520	55.7	33.2	3.9	
15 July - -	10	10	„	4,299	75.1	61.0	12.9	
26 „ - -	5	10	„	4,353	54.0	101.5	9.2	
27 „ - -	5	2	12	1,198	25.4	5.5	0.8	
27 „ - -	5	5	„	2,287	57.2	14.9	1.2	
27 „ - -	5	10	„	3,907	24.8	78.5	4.0	

APPENDIX, 1 C.—continued.

D A T E		Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean observed Deflection.	Mean reduced Deflection.	REMARKS.
1864:			°	Lbs.	Yards.	Yards.	Yards.	Yards.	
Hollow shot; 2d supply; 100 lbs.:									
20 Oct.	- -	10	2	20	1,433	33·7	5·8	4·2	Copper centreing studs, slightly filed down; very rusty.
20 „	- -	10	5	„	2,724	59·2	25·4	5·4	
29 Sept.	- -	20	5	„	2,667	32·2	27·9	5·1	
10 Oct.	- -	10	5	„	2,586	23·4	39·2	5·5	
Solid shot; copper centreing studs; 3d supply; 100 lbs.:									
27 Sept.	- -	10	2	25	1,520	34·4	3·8	1·5	Painted.
6 Oct.	- -	10	5	„	2,784	36·9	24·1	2·6	Rusted.
28 Sept.	- -	5	10	„	4,607	36·8	121·9	11·5	Painted.
28 „	- -	5	10	„	4,619	37·0	132·1	9·4	Rusted.
27 „	- -	10	2	20	1,416	21·2	6·3	3·3	
6 Oct.	- -	10	5	„	2,640	17·7	24·8	4·6	Rusted.
28 Sept.	- -	5	10	„	4,487	43·8	124·9	6·1	Painted.
28 „	- -	5	10	„	4,510	28·0	102·1	28·9	Rusted.
27 „	- -	11	2	12	1,173	50·5	5·6	3·7	
6 Oct.	- -	10	5	„	2,236	60·4	23·6	4·2	Rusted.
28 Sept.	- -	5	10	„	3,945	58·0	103·3	31·0	Painted.
28 „	- -	5	10	„	4,010	42·8	80·9	16·3	Rusted.
Round shot of 43·4 lbs.; riveted to wood bottoms:									
11 Oct.	- -	10	2	20	1,367	99·6	5·8	5·2	
11 „	- -	5	5	„	2,232	84·8	13·0	10·1	
11 „	- -	10	2	12	1,157	64·1	5·6	4·3	
11 „	- -	10	5	„	1,943	87·8	14·3	7·0	
Loose round shot:									
12 Oct.	- -	10	5	12	1,956	69·3	14·6	8·6	
Recovered loose round shot:									
13 Oct.	- -	10	2	20	1,262	72·7	5·6	4·8	
13 „	- -	5	5	„	2,211	20·4	13·3	12·2	
13 „	- -	10	2	12	1,096	68·2	5·6	3·3	

APPENDIX, 1 D.

ABSTRACT of Results of Shot Practice with the 7-inch Muzzle-loading Gun, rifled in Shallow Grooves, and firing Mr. Jeffery's Projectiles with Leaden Bases.

SHOT of 1st Supply, 110 lbs.

D A T E.	Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.
1864:		°	Lbs.	Yds.	Yds.	Yds.	Yds.
14 July - -	1	2	25	1,402	- -	1'6	—
13 „ - -	10	5	25	2,562	115'3	12'0	8'0
12 „ - -	5	10	25	4,340	51'8	39'5	12'8

The practice was stopped in consequence of large pieces of lead coming off the shot. Some 2-inch deal targets, 230 feet in front, were penetrated. A mantlet of 5-8th inch iron, 50 feet in front, was struck in 13 places, and deeply dented; two pieces passed through it. A flagstaff, 156 feet from the gun, was struck in many places, and the halliards cut.

APPENDIX, 1 E.

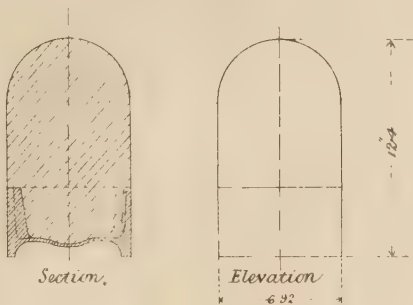
ABSTRACT of Results of Shot Practice with the 7-inch Muzzle-loading Gun, rifled in Shallow Grooves, and firing Mr. Britten's Projectiles with Leaden Bases.

SHOT of 1st Supply, 110 lbs.

D A T E.	Number of Rounds Fired.	Elevation.	Charge.	Mean Range.	Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.	R E M A R K S.
1864:		°	Lbs.	Yds.	Yds.	Yds.	Yds.	
14 July - -	10	2	25	1,361	104'2	5'9	5'0	Mr. Britten tried the effect of removing a portion of the lead, and dispensed with the wooden bottom in the practice at 2° and 5°.
13 „ - -	10	5	25	2,516	63'6	12'3	10'4	
12 „ - -	5	10	25	3,690	162'6	121'3	122'1	

The practice was stopped in consequence of its irregularity, and the separation of the lead at the base of the shot.

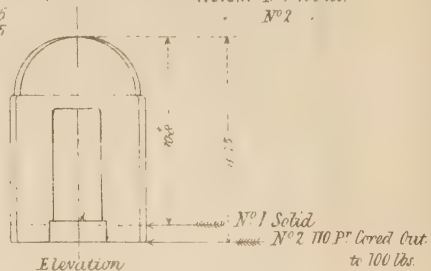
JEFFERY SHOT FOR 7 INCH M.L.GUNS.
WEIGHT 110 lbs.



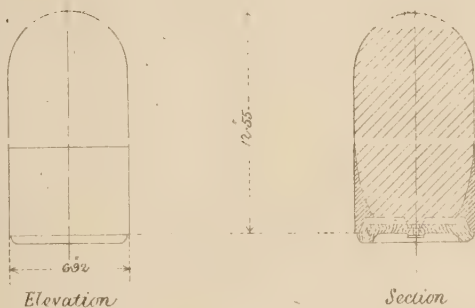
LANCASTER SHOT FOR 7 INCH M.L.GUNS.

MEAN DIAMETERS
Major Axis 7.55
Minor 6.95

WEIGHT No 1 100 lbs.
No 2



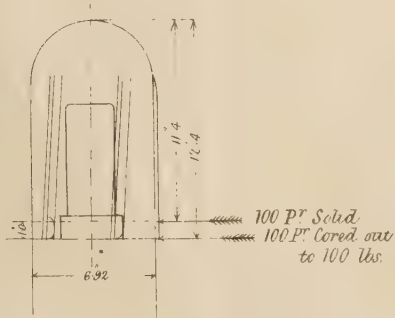
BRITTEN, SHOT FOR 7 IN. M.L. GUNS.
WEIGHT 110 lbs.



FRENCH BUTTON SHOT FOR 7 INCH M.L.GUNS.
ZINC STUDS
WEIGHT 110 lbs

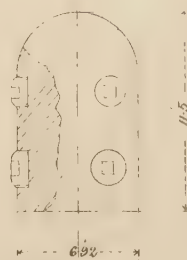


SCOTT, SHOT FOR 7 INCH M.L.GUN.



PALLISER, SHOT FOR FRENCH 7 INCH M.L.GUNS

WEIGHT 100 lbs



SCALE $\frac{1}{10}$.



DIAGRAM SHEWING EATING AWAY OF THE END OF BORES OF 7 INCH GUNS.

FIG. 1

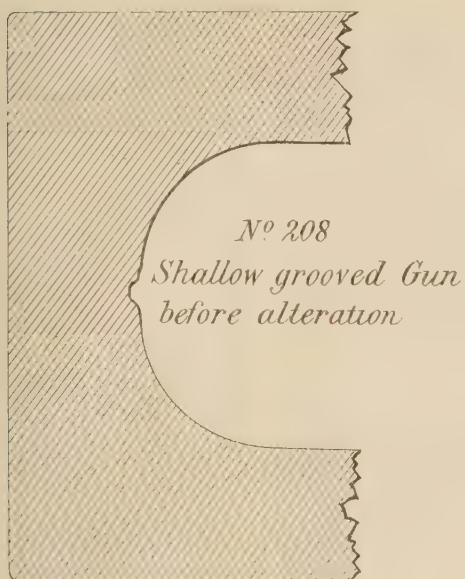


FIG. 2

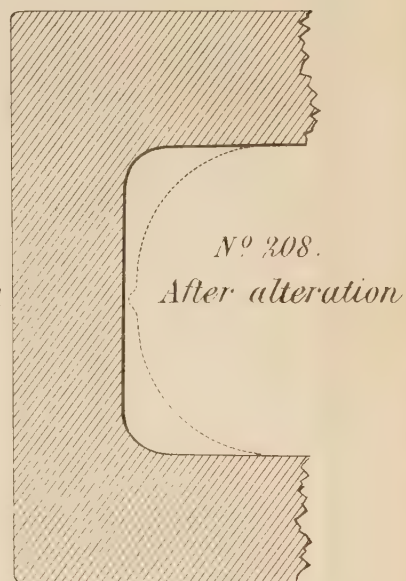


FIG. 3

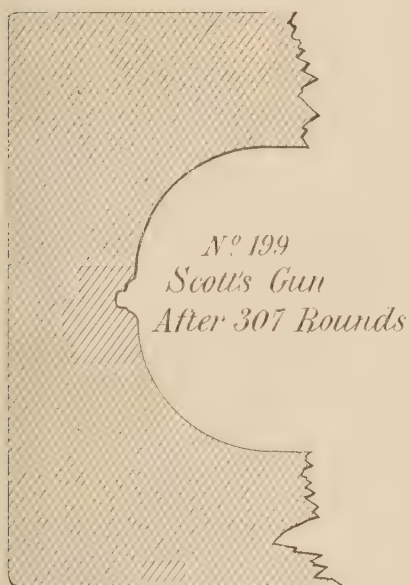


FIG. 4

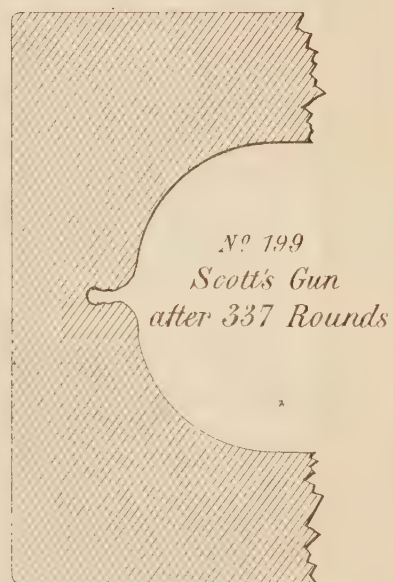


FIG. 5

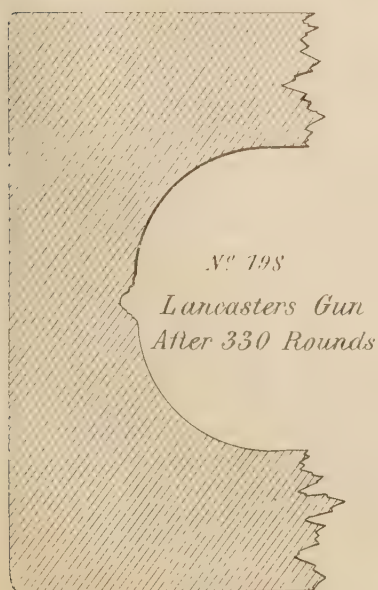
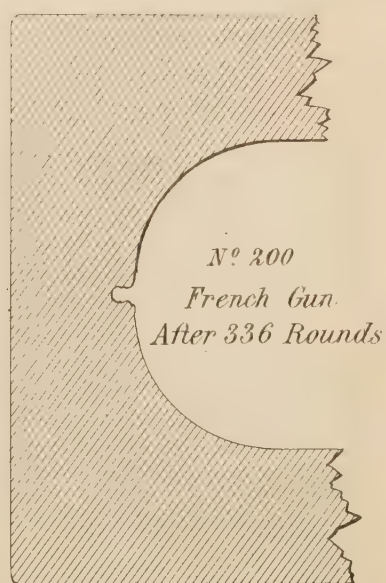


FIG. 6

Scale $\frac{1}{4}$



ORDNANCE SELECT COMMITTEE.

O. S. C. subject, No. 1929. W. O. registry, 80—G. N.—770.

Committee Minute, No. 15,137. Report, No. 3730.

Brigadier General Lefroy, R. A.
Captain L. G. Heath, C. B., R. N.
Colonel Hogge, C. B., R. A.
Colonel Younghusband, R. A.
Colonel Freeling, R. E.
Lieutenant Colonel R. S. Baynes, Unatt.
Captain Heyman, R. A., Secretary.
Captain Haig, R. A., Assistant Secretary.

Subject :—7-inch Competitive Guns.

With reference to Report, No. 3575, Minute 13,652.

COMMITTEE'S REPORT.—1 May 1865.

1. THE Committee have now the honour to report, in continuation of their former report, No. 3575, Minute 13,652.

1st. The completion of the competitive trial between the Scott, Lancaster, Britten, Jeffery, and the so-called French gun.

2d. The results of an independent trial between the above-mentioned French gun, and one of the same calibre rifled on the shunt plan, in accordance with a design submitted by Sir W. Armstrong.

2. It will be remembered that the former report brought down the history of the competition as far as the conclusion of the solid shot trials with the systems named in the 1st paragraph, and that the results were on the whole in favour of the so-called French gun, whilst the systems of Messrs. Jeffery and Britten were condemned as unsuitable for heavy charges. Drawings of shells were then called for from Commander Scott and Mr. Lancaster: the weight of the loaded shell and the minimum thickness of metal were fixed by the Committee, but full latitude upon other points was left to those gentlemen. Sixty shells were made for each gun, the Committee added a like number for the French gun, which were identical in form except as to their studding with those of Commander Scott. The practice with these shells is recorded in the following table: the results are again in favour of the French gun, and thus confirmatory of the shot practice.

TABLE I.

SHELL PRACTICE with the Competitive 7-inch Guns, the Shells having a nearly hemispherical form of front.

Charge 20 lbs. Length { Cartridge - - - 17.5 ins.
Wad and grummet ring 1.9 „

19.4 „

Mean weight of common shell, filled and plugged, 100.0 lbs.

DATE.	Gun.	Number of Rounds Fired.	Corrected Elevation.	Mean Time of Flight.	Ranges.			Mean difference of Range.	Mean observed Deflection.	Mean reduced Deflection.
					Min.	Maximum.	Mean.			
				Sec.	Yds.	Yds.	Yds.	Yds.	Yds.	Yds.
8. 3. 65.	French -	1	2° 14'	3.7	-	-	1,412	-	7.7	-
21. 3. 65.	„	19	2° 15'	3.45	1,284	1,410	1,335	21.3	4.0	0.8
21. 3. 65.	„	20	5° 8'	7.14	2,411	2,553	2,490	33.8	19.0	1.4
22. 3. 65.	„	20	10° 5'	12.86	4,004	4,216	4,119	41.7	93.9	6.1
8. 3. 65.	Scott -	1	2° 14'	3.5	-	-	1,414	-	1.2	-
21. 3. 65.	„	19	2° 15'	3.46	1,353	1,412	1,380	14.1	3.8	1.0
21. 3. 65.	„	20	5° 8'	7.22	2,487	2,631	2,557	36.4	17.1	2.1
22. 3. 65.	„	20	10° 5'	12.77	4,056	4,244	4,149	35.5	79.7	6.7
8. 3. 65.	Lancaster -	1	2° 15'	3.5	-	-	1,320	-	14.0	-
21. 3. 65.	„	19	2° 15'	3.47	1,282	1,436	1,346	40.6	5.4	1.0
21. 3. 65.	„	20	5° 8'	7.15	2,400	2,571	2,487	36.3	24.6	3.2
22. 3. 65.	„	20	10° 5'	13.31	3,925	4,296	4,128	77.4	109.0	25.1

Dimensions of Common Shells.

	Diameter		Length of Bearing	Total Length.	Capacity.
	Over Body.	Over Studs.			
	In.	In.	In.	In.	Lb. oz.
French - -	6.92	7.15	6.18	15.172	5 9
Scott - - -	6.92	-	12.0	15.12	5 7
Lancaster - -	{ 6.95 } { 7.55 }		10.5	13.52	5 0

3. Much difficulty was observed, as before, in loading the Lancaster gun, and the French was again found the most easy to load: it is, however, right to mention, that after the shells had been made, Commander Scott applied for an alteration which he said would facilitate the loading of his gun; but the Committee were obliged to refuse his request, on account of the delay which it would have entailed.

4. The Lancaster shells, with only one exception, were found, on recovery, to be split at the head, showing apparently (as has always been suspected) that
in

in that system the projectile has a great tendency to jam in the bore, bringing severe pressure both on the gun and on the projectile.* The shells recovered after being fired from the other two guns were apparently uninjured, showing that there was no objection to either system of grooving on the ground of its unfitness for shell firing; but in order to verify this opinion five of the recovered shells were subsequently fired, full of powder, from each of these two guns, with equally satisfactory results; none of them exploded prematurely.

5. The Committee had then witnessed the firing of upwards of 400 rounds from these guns, and they were unanimously of opinion that the Lancaster system should be rejected on account of the tendency to crush in the bore, evinced by the condition of the recovered shells, its inferior accuracy, and the difficulty of loading; and that of the two remaining competitors they considered the so-called French system to be the better. They formed this opinion not only upon the grounds of the superior accuracy of the gun, which is, however, very marked, but also upon the grounds that it is the easiest to load by day, and that at night the simple buttons on its projectile would (if they may use the expression) "find" the grooves of the gun or shot bearer more easily than would the more numerous but smaller ribs of Commander Scott's projectiles. The opinion is also grounded partly on the consideration that in the case of careless manufacture incidental to large contracts in war time, the soft metal studs of the French projectile would adjust themselves to the grooves of the gun, whilst any error in planing the Scott ribs would cause unequal pressure in the different grooves and tend to destroy them. It is unfortunate that the adoption by Commander Scott of zinc-faced ribs in about half the projectiles fired during this competition should have prevented a practical test of the wearing of the grooves, even under the favourable circumstances as to correctness of manufacture which he has on this occasion enjoyed.

6. The single point upon which the Scott system may be practically superior to the French is in the cheapness of its projectiles. The Superintendent, Royal Laboratory, reports a difference of 1 s. 10 d. per 100 lb. shot in favour of the Scott, but the Committee think it probable that further experience in the mode of studding will considerably reduce this difference.

7. The so-called French gun being, then, in the opinion of the Committee, the best of those originally placed in competition, was selected by them for comparison with a gun rifled by permission of the Secretary of State for War, under date of 29th October 1864, from a design submitted by Sir William Armstrong.

The length of bore of this gun was the same as that of the French gun, but its weight was 9 cwt. less. It was rifled in six grooves on the shunt plan, in the form in which it has been generally applied to large guns, with the small improvement that some of the angles of the grooving were rounded off. The twist was uniform, 1 turn in 266 inches, or 38 calibres, being nearly the same as the final twist of the French gun. The bore was not of the usual cylindrical form, but very slightly tapered, the diameter at the chamber being 0.04 of an inch larger than at the muzzle. This peculiarity existed in several of Sir William Armstrong's earlier experimental guns, but has not been carried out in all of them. The object is to give more windage in the region in which fouling has the greatest tendency to impede loading.

8. The projectiles provided for the trial were as follows:

100 hemispherical headed solid shot, weighing 110 lbs.—For the shunt.

100 hemispherical headed solid shot, weighing 100 lbs.—For each gun.

60 ogival headed shells, weighted up to 100 lbs.—For each gun.

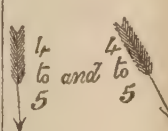
All had a windage round the body of .08 inch, when the shot were rammed home, but the taper in the bore of the shunt reduced this to .04 inch at the muzzle of that gun.

The 100 shot weighing 110 lbs. were not fired in competition, but the results are recorded in Table II. Tables III. and IV. record the comparative results of the 100 lbs. shot and shell practice respectively; and Table VII. the comparative facility offered by the form of groove for rifling on each system.

* *P.S.*—Mr. Lancaster has since produced eight shells of a different pattern, which were fired on 22d June, with charges of 20 lbs., and with 7 lbs. 6 oz. bursting charge in each; six of them weighed 115 lbs. filled, two of them 109 lbs.; none of these shells burst prematurely. Min. 16,044.

TABLE II.

PRACTICE with Solid Shot of 110 lbs. from the Shunt Gun, corresponding to the Shot of the first Delivery in Report 3575.

DATE.	Number of Rounds Fired.	Charge. — Diameter of Cartridge 6·5 inch.	Corrected Elevation.	Time of Flight corresponding to Mean Range.	RANGES.			Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.	REMARKS.
					Min.	Max.	Mean.				
13.* & 14. 2. 65.	10	Lbs. 25	2 14	3·56	1,339	1,447	1,399	29·6	5·8	1·0	
14. 2. 65.	10	Inches. 21·9	5 8	7·30	2,440	2,648	2,578	39·2	26·0	2·6	
"	10	"	10 5	13·00	4,025	4,197	4,108	54·0	80·5	8·6	
"	3†	"	2 0	—	—	—	—	—	—	—	
"	10	Lbs. 20	2 15	3·39	1,266	1,371	1,315	24·5	5·6	0·6	
"	10	Inches. 19·4	5 8	7·02	2,349	2,491	2,417	32·7	22·7	1·9	
"	10	"	10 5	12·65	3,827	3,953	3,900	27·7	72·1	9·9	
"	3†	"	2 0	—	—	—	—	—	—	—	
"	10	Lbs. 12	2 19	3·01	1,003	1,063	1,033	16·4	4·2	0·8	
"	10	Inches. 6·9	5 10	6·30	1,965	2,074	2,034	25·5	19·9	2·7	
"	10	"	10 6	11·48	3,300	3,409	3,364	29·8	53·9	6·7	
"	3†	"	2 0	—	—	—	—	—	—	—	

* One round only was fired on the 13th.

† Fired for initial velocity.

TABLE III.

PRACTICE with Solid Shot of 100 lbs. from both Guns, corresponding with the Shot of the last Delivery in Report 3575.

DATE.	Number of Rounds Fired.	Gun.	Charge.	Corrected Elevation.	Mean Recoil on Wet or Damp Platform.	Time of Flight correspond- ing to Mean Range.	RANGES.			Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.	
							Min.	Max.	Mean.				
			<i>Lbs.</i>	<i>° ' ''</i>	<i>Feet.</i>	<i>Sec.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	
7. 3. 65.	10	French	25	2 14	5·1	3·61	1,393	1,500	1,440	25·4	8·4	1·2	
6. 3. 65.	10		"	"	5 8	7·2	7·62	2,640	2,716	2,668	17·0	29·9	2·4
7. 3. 65.	10		"	"	10 4	4·0†	14·49	4,455	4,600	4,533	37·6	152·3	4·6
9. 3. 65.	3*	"	"	"	"	"	"	"	"	"	"	"	
7. 3. 65.	10	"	20	2 15	4·7†	3·46	1,278	1,363	1,336	20·4	8·4	0·7	
6. 3. 65.	10		"	"	5 8	5·0	7·39	2,510	2,595	2,537	26·8	20·9	6·0
7. 3. 65.	10		"	"	10 5	3·4	14·04	4,225	4,470	4,360	60·6	147·4	6·5
9. 3. 65.	3*	"	"	"	"	"	"	"	"	"	"	"	
6. 3. 65.	10	"	12	2 19	3·3†	3·05	1,025	1,118	1,064	20·9	5·9	0·9	
"	10		"	"	5 9	3·0	6·84	2,152	2,312	2,214	47·8	15·6	2·0
"	10		"	"	10 6	3·2†	12·29	3,500	3,679	3,610	49·7	91·7	6·8
9. 3. 65.	3*	"	"	"	"	"	Means - -			2,640	34·0	- - 3·5	
7. 3. 65.	10	Shunt	25	2 13	3·8†	3·71	1,426	1,537	1,485	26·9	13·1	2·0	
6. 3. 65.	10		"	"	5 7	4·4†	7·57	2,623	2,837	2,715	60·1	41·9	4·6
7. 3. 65.	10		"	"	10 5	3·3†	13·47	4,324	4,452	4,367	30·1	155·7	7·3
9. 3. 65.	3*	"	"	"	"	"	"	"	"	"	"	"	
7. 3. 65.	10	"	20	2 14	4·0†	3·67	1,365	1,450	1,415	23·1	11·4	1·2	
6. 3. 65.	10		"	"	5 8	4·5	7·43	2,524	2,776	2,610	49·9	25·0	2·7
7. 3. 65.	10		"	"	10 5	2·6	13·11	4,195	4,286	4,224	19·3	152·6	7·8
9. 3. 65.	3*	"	"	"	"	"	"	"	"	"	"	"	
6. 3. 65.	10	"	12	2 18	2·9†	7·11	1,041	1,150	1,094	21·1	7·4	2·0	
"	10		"	"	5 9	2·2	6·76	2,120	2,288	2,186	44·5	22·0	5·0
"	10		"	"	10 6	2·3†	11·84	3,414	3,613	3,531	46·9	94·1	3·9
9. 3. 65.	3*	"	"	"	"	"	Means - -			2,625	35·8	- - 4·1	

* Fired for initial velocity.

† Mean of 9, 1 not observed.

‡ Mean of 8, 2 not observed.

TABLE IV.

PRACTICE with Common Shells of 100 lbs. from both Guns, corresponding with Table I. of this Report, except that the Shells had an ogival form of front.

DATE.	Gun and Charge.	Number of Rounds Fired.	Corrected Elevation.	Mean Windage over Body of Shell.	Mean Recoil on a Dry Platform.	Time of Flight corresponding to Mean Range.	RANGES.			Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.
							Min.	Max.	Mean.			
			° ' "	Inches.	Feet.	Sec.	Yds.	Yds.	Yds.	Yds.	Yds.	Yds.
6. 4. 65.	French 7 in M. L.	5*	2 0	0.09	—	—	—	—	—	—	—	—
"	20 lbs.	15†	2 14	"	3.9	3.68	1,387	1,462	1,429	11.9	0.8	0.8
"	"	20	5 7	"	3.3	7.40	2,705	2,800	2,748	21.6	2.4	1.9
"	"	20	10 4	"	2.5	13.32	4,484	4,648	4,553	35.0	24.1	5.6
"	Shunt 7 in M. L.	5*	2 0	0.065	—	—	—	—	—	—	—	—
"	20 lbs.	15†	2 14	"	6.2	3.47	1,400	1,540	1,450	33.9	0.6	0.5
"	"	20	5 7	"	5.2	7.41	2,744	2,882	2,809	32.3	5.6	2.1
"	"	20	10 4	"	4.6	13.36	4,516	4,676	4,588	44.9	32.5	6.2

* These shells filled with powder and plugged, were fired out to sea, to ascertain if they would burst; none did so.

† The means are of 14, one shell of each kind having broken up at the muzzle of the gun.

9. An inspection of Tables III. and IV. will show that, in the solid shot trial, the French had a slight advantage both in range and accuracy; and that in the shell practice the shunt had a slight advantage in range, although the French still maintained the superiority in accuracy. During the practice, the men employed in loading were interchanged occasionally, and their opinion was asked as to the comparative facility of loading in the two guns; it was on the whole expressed in favour of the French gun; but the difference was not great, and there was no real difficulty with either gun.

10. The initial velocity given by the two guns appears practically alike; for although the French has the advantage with 12 lbs. charge, the shunt has the best of it with 20 lbs. and 25 lbs.; but it had by accident the benefit of a shot with slightly less windage than the other.

TABLE V.

OBSERVED VELOCITIES.

GUN.	Charge.	Cartridge.		Projectiles.		Brand of Powder.	Observed Velocity at 40 Yards.			Mean Observed Velocity at 40 Yards.	Calculated Mean Initial Velocity.	REMARKS.
		Length (without Wad).	Diameter.	Weight.	Diameter.		1.	2.	3.			
7-inch "Shunt"	12	inches. 12.0	inches. 6.5	lbs. 109.40	inches. 6.96	Rifle, L. G. Lot 728	feet. 1,177.3	feet. 1,207.1	feet. 1,221.4	feet. 1,201.9	feet. 1,209.0	A grummet and felt wad of 1.9 inches thick attached to each cartridge.
"	20	17.5	"	"	"	"	1,432.6	1,415.7	1,420.0	1,422.8	1,432.0	
"	25	20.0	"	"	"	"	1,485.3	1,503.6	1,511.3	1,500.1	1,510.0	
"	12	12.0	"	99.50	"	Lot 725	1,277.8	1,273.1	1,269.6	1,270.2	1,279.0	
"	20	17.5	"	"	"	"	1,508.2	1,489.8	1,512.9	1,503.6	1,515.0	
"	25	20.0	"	"	"	"	1,563.9	1,557.4	1,557.4	1,559.6	1,571.5	Mean of 5 rounds.
7-inch "French"	12	12.0	"	100.00	6.91	"	1,274.2	1,286.1	1,294.4	1,284.9	1,293.4	
"	20	17.5	"	"	"	"	1,474.9	1,461.6	1,483.9	1,473.5	1,484.0	
"	25	20.0	"	"	"	"	1,536.5	1,542.9	1,534.9	1,538.1	1,549.2	
12-pounder Armstrong B. L. standard gun.	1.5	—	—	11.75	3.074	Lot 728	—	—	—	1,193.2	1,206.0	
"	"	—	—	"	"	Lot 725	—	—	—	*1,148.3	1,158.0	- - ditto.

* Velocity at 100 feet.

11. It appears from a comparison of cost of projectiles, as submitted by Sir William Armstrong for his pattern, with the estimate of Superintendent Royal Laboratory for similar projectiles made by him for the French gun, that the former cost about 1 s. 6 d. a piece less than the latter; but, as before stated, this difference would probably be reduced by further experience in the manufacture of French projectiles.

TABLE VI.
COST OF COMMON SHELLS.

				Per 1,000.
				£. s. d.
Royal Laboratory Estimate -	{	Lancaster's	- - - - -	522 10 6
		Scott's	- - - - -	525 10 10
		French, with Major Palliser's studs of the present size.	- - - - -	602 5 7
		French, same form as Shunt	- - - - -	634 12 10
If made in R. L. upon the assumption that the relative cost is 10 per cent. less than that of the 7-inch B. L. shells -	{	Armstrong's Shunt	- - - - -	522 - -
		Armstrong's Shunt	- - - - -	663 14 -
E. O. C. Estimate	-	-	- - - - -	- - - - -

12. TABLE VII. shows the comparative facility offered by the form of groove for rifling on each system.

Nature of Rifling.	Number of Guns per Week.	Cost per Gun.
		£. s.
Scott's - - - - -	10	4 5
French - - - - -	8	5 8
Shunt 6 grooves - - - - -	4	10 16
Lancaster's - - - - -	2½	17 10

The number of guns per week being estimated for 10 rifling machines, working 13 hours per diem. The calculations are based also upon the present capabilities of the R. G. F.

13. The shooting qualities of these guns are so nearly alike that the Committee feel they may rest their recommendation of the one or the other system upon other and more general considerations, and they have finally determined to record their unanimous opinion in favour of the so-called French system, 1st, because of the simplicity of its studding on the projectiles; 2d, the simplicity of the grooving of the gun; and 3d, from a disposition to admit of the advantage of an increasing over a uniform spiral, which has been strengthened by the present trial. This advantage can best be realised with a short bearing on two points. On the first of these heads it will suffice to say that in the French shot there are but six studs; whilst in the corresponding shunt shot there are 30. It is true that the six studs are all at present screwed in, and the 30 studs of the shunt projectile are fixed by pressure only; but the Committee do not think that the difference in mode of attachment can, as a question of manufacture, outweigh the difference in number, especially if their size should be hereafter reduced.

14. The Committee recommend that the heavy 7-inch guns now in course of manufacture should be rifled in the same manner as the competitive so-called French gun, except that the width and depth of the grooves should be slightly decreased, which will permit a reduction of the size and consequent cost of the studs; and if the exigencies of the service would allow of three weeks'

weeks' delay, they would be glad to fire 20 rounds solid shot, and 20 shells from the first gun finished in this modified form before the others are taken in hand.

15. The Committee recommend that the competitive shallow grooved gun, which has been ordered to be bored up to eight inches, should be immediately rifled in three grooves, with an increasing twist, ending with 1 in 40; that 50 rounds solid shot and 50 shells be fired from it, and if successful, that the 8-inch guns ordered for the Navy be rifled similarly.

16. The two 9-inch rifle guns of cheap construction are already rifled on the shunt plan. The Committee recommend that one of the 9-inch guns, which are now awaiting a decision as to rifling, be rifled on the French system for comparison, and that if there should be no material difference in the shooting of these guns, the remainder be rifled on that system.

It appears unnecessary to carry provision at present beyond the 7-inch, 8-inch, and 9-inch calibres. The decision respecting any larger natures that may be hereafter ordered, can await the result of the present trial; but the Committee must express the hope that this trial will be considered final. If the so-called French system should fail in larger calibres, the natural course would be to fall back on Sir William Armstrong's, which holds the second place; which has been more thoroughly studied and worked out than any other; and through a wider range of calibres, which is actually in the service in the muzzle-loading 64-pounder guns, and to which so many of our existing experimental guns of large calibre, the 600-pounder, 300-pounder 9·22 inch, or 220-pounder are conformed. To throw away the experience gained with these guns, and the expense incurred in the preparation of patterns, and means of manufacture, without good cause, would be to postpone, unnecessarily, the great desideratum of a settled system, and plunge anew into tedious and costly experiments on a mere hypothesis of improvement.

17. Under the head of "Endurance," in their Preliminary Report, the Committee called attention to the peculiar eating away of the centre of the powder-chamber which had taken place in these guns.

They now attach, for record, the report of the Inspector of Ordnance on their present condition, observing, as implied previously, that owing to the varying qualities of steel, they do not think any conclusive opinion as to the comparative durability of guns rifled on these systems, can with justice be determined by the trial they have undergone, although the general result points to the probability, that with such heavy charges as have been used on this occasion, the tubes of guns of large calibre will not last longer than 500 rounds.

The description, and total number of rounds fired from each gun, to the present date, is as follows:—

Charge.	French.	Shunt.	Scott.	Lancaster.
<i>Lbs.</i>				
25	123	66	84	83
20	322	126	236	236
12	122	66	97	97
TOTAL - -	567	258	417	416

The projectiles varied in weight from 110 lbs. to 100 lbs.

(signed) *L. G. Heath*, Captain R. N.,
Vice President.

REPORT of Examination of 7-inch M. L. Competitive Rifle Guns at *Shoeburyness*.

FRENCH GUN, Expl. No. 200.—Examined, 7 & 8/4/65.

THE scoring in the bore, by escape of gas, has considerably increased, both in length and depth, it now extending from 10 to 40 inches from bottom of bore, and from right to up to left.

The defect in centre of bottom of bore, has also increased, it now measuring 1·5 inches in depth. The slight flaw at 3½ inches from the centre L. of D. and small hole at two inches right from centre have not increased since last examination.

The “A” tube is cracked longitudinally in the leading corner of the up-groove, from 11½ to 19½ inches from bottom of bore.

The dents in lands and grooves, from 20½ to 21½ inches from bottom of bore, appear to have slightly increased in depth.

The wear on loading side of groove L. of D. from 17½ to 31 inches from bottom of bore has slightly increased.

The bore is also slightly enlarged; the amount since last examination and the total amount is as follows:—

	Since last Examination.	TOTAL.
At 6 inches from bottom of bore - - - - -	·002	·004
9 ” ” - - - -	·004	·005
12 ” ” - - - -	·003	·008
15 ” ” - - - -	·001	·015
18 ” ” - - - -	·001	·031
21 ” ” - - - -	·030 dent -	·049
24 ” ” - - - -	·025	·042
27 ” ” - - - -	·020	·029
30 ” ” - - - -	·020	·024
33 ” ” - - - -	·016	·016
36 ” ” - - - -	·007	·007
39 ” ” - - - -	·002	·002
42 ” ” - - - -	·001	·001

The diameter of vent, ·29 through, ·65 at bottom.

There are also several slight fissures radiating from edge of copper bush, both in front and in rear, the longest being about ·2 of an inch long. This gun should, in future, be fired “under precaution.”

SHUNT GUN, Expl. No. 288.— Examined, 7 & 8/4/65.

The bore is slightly scored by escape of gas, extending from 17 to 34 inches from bottom of bore, and from right of up to left of up.

It is also slightly enlarged from 18 to 27 inches from bottom of bore. The greatest amount of enlargement is at 24 inches from bottom.

The vent is considerably enlarged, the through gauge being ·3 and the bottom ·7 of an inch.

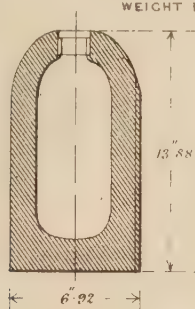
“A” tube projects at muzzle about ·01 of an inch.

This gun should be re-vented before it is used again.

SCOTT, SHELL FOR 7" M. L. GUN.

SCALE $\frac{1}{10}$

WEIGHT FILLED 100 LBS.



Section



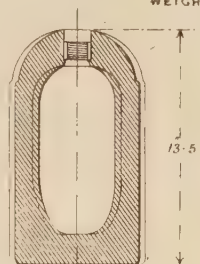
LANCASTER SHELL FOR 7" M. L. GUNS.

MEAN DIAMETERS.

Major Axis 7.56

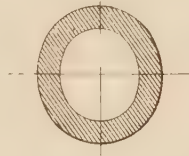
Minor " 6.95

WEIGHT 100 LBS FILLED



Section

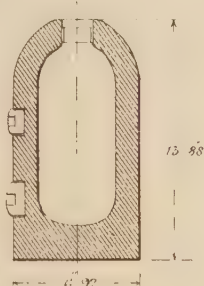
SCALE $\frac{1}{10}$



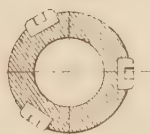
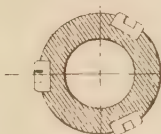
SHELL FOR FRENCH 7" M. L. GUN.

SCALE $\frac{1}{10}$

WEIGHT FILLED 100 LBS.



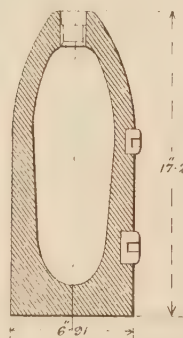
Section



COMMON SHELL FOR 7" FRENCH M. L. GUN OF 149 CWT.

SCALE $\frac{1}{10}$

WEIGHT FILLED 99 LBS. 4 OZ.

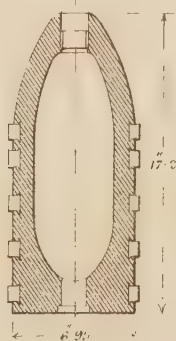


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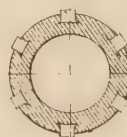
COMMON SHELL FOR 7" SHUNT M. L. GUN. OF 139 CWT.

SCALE $\frac{1}{10}$

WEIGHT FILLED 100 LBS.



Section





LANCASTER'S GUN, Expl. No. 198.—Examined, 24/3/65.

The defect in the centre of bottom of bore has slightly increased, it now measuring $\cdot 35$ of an inch in depth.

The scoring by escape of gas has also increased both in length and depth, it now extending from $11\frac{1}{2}$ to $33\frac{1}{2}$ inches from bottom of bore, and from right to up to left.

There is no apparent increase in the expansion in bore, nor in the denting at $17\frac{1}{2}$ and from $20\frac{1}{2}$ to $22\frac{1}{2}$ inches from bottom of bore.

Diameter of vent through $\cdot 23$, bottom $\cdot 5$ of an inch.

There are also several small fissures radiating from edge of copper bush, extending in length, about $\cdot 15$ of an inch.

SCOTT'S GUN, Expl. No. 199.—Examined, 25/3/65.

The defect in centre of bottom of bore has considerably increased in depth, it now apparently passing through the end of the tube, the depth being $2\cdot 8$ inches: the slight cracks in bottom running "down" from centre, and at $1\frac{1}{4}$ inches from centre "R. of D." do not appear to have increased since last examination.

The scoring by the escape of gas has slightly increased both in length and depth, it now extending from 9 to 35 inches from bottom of bore "right of up to left of up."

The cone or lower part of vent is considerably compressed, the front part being crushed back and drawn out from the gun $\cdot 6$ of an inch from its original position; this has partially closed the lower part of the vent, as the true gauge will not pass through.

There is no apparent expansion in bore, nor alteration in the dents since last examination.

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 200, Rifled on the French System.

Height of Axis of Gun above Plane, $17\frac{1}{2}$ feet.

Ordinance - { Weight, 149 cwt. 0 qrs. 14 lbs.
Length, 11 feet, $10\frac{1}{4}$ feet of bore.
Diameter of bore, 7.0 inches.
Spiral, 1 turn in 259 inches (increasing from 0 to 1 in 37 at the muzzle).
Grooves, No. 3. Width, 1.96 inches. Depth, .264 inches.

Wind, West 2.
Direction of Wind.

Preliminary Practice.

Date.	Number of Round.	Charge.	Elevation.	Recoil.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Mean Range, 1st Graze.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left		Right.
1864 :		Lbs.	°	Feet.		Mean. Lbs.	"	Yards.	Yards.		Yards.	Yards.		
June 28	1	20	1	5.4	Elongated shot, solid.	109.5	-	2.0	904	-	Nil	.6	Length of Cartridge : With lubricator 19 Without ditto 17	
"	2	"	"	5.7			-	2.3	964	-	"	-		4.
"	3	"	"	5.7			-	2.2	916	-	"	-		2.
"	4	25	"	7.1			-	2.2	950	-	"	-	3.	With ditto 3 22 Without ditto 19.5
"	5	"	"	6.10			-	2.2	940	-	"	-	2.	
"	6	"	"	7.1			-	2.3	965	-	"	-	1.4	
"	7	20	2	5.8			-	Not observed	1,408	-	"	-	4.	2 3
"	8	"	"	5.6			-	3.2	1,265	-	"	-	.4	
"	9	"	"	5.6			-	3.5	1,339	-	"	-	5.6	2 3
"	10	25	"	6.10			-	3.6	1,482	-	"	-	4.4	
"	11	"	"	7.0			-	3.5	1,428	-	"	-	5.6	2 3
"	12	"	"	6.8			-	3.6	1,489	-	"	-	6.	
"	13	20	5	5.4			-	7.2	2,600	-	"	-	12.	2 3
"	14	"	"	5.6			-	7.2	2,582	-	"	-	14.	
"	15	"	"	5.4			-	7.1	2,587	-	"	-	18.	2 3
"	16	25	"	6.9			-	7.5	2,761	-	"	-	17.	
"	17	"	"	6.8			-	7.6	2,770	-	"	-	16.	2 3
"	18	"	"	6.8			-	7.3	2,694	-	"	-	18.	
"	19	20	10	5.1			-	14.3	4,526	-	"	-	32.	2 3
"	20	"	"	5.0			-	13.4	4,322	-	"	-	38.	
"	21	"	"	5.0			-	13.6	4,413	-	"	-	23.	2 3
"	22	25	"	6.3			-	14.4	4,741	-	"	-	28.	
"	23	"	"	6.6			-	14.4	4,620	-	"	-	47.	2 3
"	24	"	"	6.5			-	14.5	4,741	-	"	-	28.	

Elevation by quadrant. The gun was mounted on a garrison carriage, placed upon a traversing platform with the trucks taken off and laid on a ground platform. All the shot sounded steady in flight. There was no difficulty in loading ; no compressors were used. The ordinary truck levers are not strong enough for running up this gun. The grazes of the shot frequently extended over a longitudinal length of 10 feet.

(signed) A. J. Taylor, Col. R. A.,
Comdt. and Supt.

(Competitive.)

CAST IRON SHOT.

EXPERIMENTAL PRACTICE continued with a 7-inch M. L. Wrought Iron Gun, Rifled on the French System, Expl. No. 200.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Dry.		Lbs.	mean.	"	Yards.			Yards.	Yards.	
July 12	1	25	10	6.2	Elongated cast iron shot, diameter 6.909 inches.	109.625		14.9	4,601	-	Nil	-	32.	Shot of the 1st supply.
"	2	"	"	6.5		109.125		Not observed.	4,497	-	"	-	52.	
"	3	"	"	6.8		109.562		14.3	4,480	-	"	-	32.	
"	4	"	"	6.7		109.5		14.0	4,403	-	"	-	32.	
"	5	"	"	6.10		109.687		14.0	4,463	-	"	-	32.	
July 13	6	"	5	7.3	Elongated cast iron shot, diameter 6.909 inches.	110.187		7.7	2,784	-	"	-	27.	Shot of the 1st supply.
"	7	"	"	7.0		109.750		7.4	2,698	-	"	-	15.2	
"	8	"	"	7.2		109.187	.091	7.6	2,779	-	"	-	26.	
"	9	"	"	7.0		109.625		Not observed.	2,716	-	"	-	23.2	
"	10	"	"	7.0		109.5		7.4	2,692	-	"	-	23.	
"	11	"	"	7.3		109.750		7.5	2,737	-	"	-	31.	
"	12	"	"	7.0		109.625		7.5	2,724	-	"	-	17.4	
"	13	"	"	7.3		109.0		7.5	2,741	-	"	-	23.	
"	14	"	"	7.0		109.625		7.3	2,618	-	"	-	9.6	
"	15	"	"	7.0		109.625		7.5	2,740	-	"	-	23.4	
Lubricators, with a dry sponge, were used throughout on both days (12th and 13th July).														
July 14	16	25	2	7.3	Elongated cast iron shot.	108.562		3.4	1,436	-	Nil	-	8.4	Shot of the 1st supply.
"	17	"	"	7.4		109.687		3.8	1,507	-	"	-	2.4	
"	18	"	"	7.6		109.312		4.0	1,616	-	"	-	3.6	
"	19	"	"	7.3		109.5		3.4	1,447	-	"	-	3.	
"	20	"	"	7.4		109.0		3.8	1,502	-	"	-	7.6	
"	21	"	"	7.4		109.812		3.8	1,524	-	"	-	4.	
"	22	"	"	7.6		109.375	.091	3.3	1,382	-	"	-	8.	
"	23	"	"	7.4		109.0		3.8	1,566	-	"	-	4.2	
"	24	"	"	7.3		109.875		3.6	1,472	-	"	-	.8	
"	25	"	"	7.4		109.687		3.9	1,546	-	"	-	4.	
"	26	"	10	6.7		109.625		14.4	4,606	-	"	-	19.6	
"	27	"	"	6.6		109.062		14.2	4,522	-	"	-	76.	
"	28	"	"	6.6		109.875		14.0	4,482	-	"	-	22.	
"	29	"	"	6.6		109.562		13.9	4,510	-	"	-	57.	
"	30	"	"	6.5		108.812		14.5	4,594	-	"	-	18.	
Lubricators used, with a dry sponge.														
July 15	31	20	10	4.6	Elongated cast iron shot.	109.625		13.8	4,309	-	"	4.8	-	Shot of the 1st supply.
"	32	"	"	4.0		109.0		13.4	4,203	-	"	-	41.6	
"	33	"	"	5.3		109.5		13.4	4,101	-	"	-	57.	
"	34	"	"	4.9		109.750		13.2	4,136	-	"	-	28.	
"	35	"	"	4.3		109.812		13.6	4,235	-	"	-	49.	
"	36	"	"	4.3		110.0		13.6	4,242	-	"	-	55.	
"	37	"	"	5.6		109.375		13.2	4,200	-	"	-	46.	
"	38	"	"	4.7		109.312		13.4	4,206	-	"	-	52.	
"	39	"	"	4.5		109.562		13.2	4,185	-	"	-	57.	
"	40	"	"	4.6		110.0		13.7	4,286	-	"	-	26.	
"	41	"	2	5.4		109.812	.091	3.6	1,342	-	"	-	2.6	
"	42	"	"	5.5		109.562		3.7	1,431	-	"	-	2.6	
"	43	"	"	5.3		109.125		3.6	1,378	-	"	-	2.	
"	44	"	"	5.3		109.562		3.4	1,446	-	"	-	2.8	
"	45	"	"	5.3		109.125		3.3	1,328	-	"	-	2.8	
"	46	"	"	5.2		109.562		3.4	1,366	-	"	-	1.2	
"	47	"	"	5.3		109.562		3.6	1,413	-	"	-	2.6	
"	48	"	"	5.0		109.187		3.6	1,378	-	"	-	1.4	
"	49	"	"	5.2		109.937		3.6	1,348	-	"	-	.8	
"	50	"	"	5.4		109.5		3.6	1,432	-	"	-	3.2	

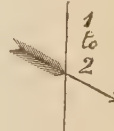
A damp sponge used. From this date, to the end of the experiments, the use of the lubricant was discontinued, and the grummet wad. Felt and cardboard (attached to the cartridge) used. Length of cartridge, 17.9 inches. Length of wad and grummet, 1.9 inches.

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—*continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	mean.	'	Yards.			Yards.	Yards.	
July 26	51	20	5	4.10	Elongated cast iron shot.	109.250		7.2	2,598	-	Nil	-	18.4	 A damp sponge used.
"	52	"	"	4.10		109.250		7.4	2,694	-	"	-	22.	
"	53	"	"	4.6		109.687		7.4	2,658	-	"	-	23.	
"	54	"	"	4.9		109.250		7.4	2,609	-	"	-	18.6	
"	55	"	"	4.4		109.812		7.4	2,612	-	"	-	23.	
"	56	"	"	4.3		109.687		7.4	2,628	-	"	-	19.	
"	57	"	"	4.2		109.250		7.1	2,542	-	"	-	22.	
"	58	"	"	4.0		109.375		7.2	2,536	-	"	-	26.	
"	59	"	"	4.0		109.5		7.5	2,606	-	"	-	20.4	
"	60	"	"	4.0		109.375		7.4	2,632	-	"	-	19.6	
"	61	25	10	4.8		109.750		14.0	4,600	-	"	-	90.	Brand of powder, L. G. W. A. A. 4. Lot 599, for rounds 61 to 75.
"	62	"	"	4.9		109.187		14.0	4,615	-	"	-	76.	
"	63	"	"	4.5		109.187		13.8	4,539	-	"	-	36.	
"	64	"	"	3.0		109.312	.091	13.6	4,427	-	"	-	10.	Front truck-bolt broke, jumped off racer.
"	65	"	"	3.0		109.250		14.6	4,750	-	"	-	50.	
July 27	66	"	2	5.6		109.312		4.0	1,585	-	"	-	2.6	 From this date to the end of the experiment, the trucks were off the plat- form, and the platform placed on planks and lashed to pickets; slope 6° 35'.
"	67	"	"	5.5	109.812		3.5	1,380	-	"	-	7.		
"	68	"	"	5.3	110.0		3.7	1,460	-	"	-	4.4		
"	69	"	"	5.3	109.687		3.3	1,393	-	"	-	2.8		
"	70	"	"	5.2	109.562		Not observed.	1,283	-	"	-	1.4		
"	71	"	5	4.10	109.750		7.8	2,821	-	"	-	12.4		
"	72	"	"	4.10	110.187		7.6	2,744	-	"	-	15.0		
"	73	"	"	5.0	109.625		7.7	2,728	-	"	-	25.6		
"	74	"	"	5.0	109.750		7.8	2,800	-	"	-	24.0		
"	75	"	"	5.1	109.437		7.8	2,848	-	"	-	16.6		
For the last five rounds of the practice on the 26th and the first 10 on the 27th July, the lower buttons on the projectiles were cut flush.														
July 27	76	12	10	2.1	Elongated cast iron shot.	109.625		13.3	4,182	-	Nil	-	42.	 The shot fired this day (27th July) were all of the 1st supply.
"	77	"	"	2.1		108.750		12.3	3,856	-	"	-	42.	
"	78	"	"	2.1		109.062		12.0	3,696	-	"	-	18.	
"	79	"	"	2.2		109.562		13.0	3,900	-	"	-	33.	
"	80	"	5	2.4		109.5		6.7	2,238	-	"	-	4.4	
"	81	"	"	2.6		109.5		6.6	2,226	-	"	-	6.	
"	82	"	"	2.6		109.5		6.4	2,110	-	"	-	2.4	
"	83	"	"	2.4		109.875		6.8	2,302	-	"	-	11.6	
"	84	"	2	2.6		109.562		3.2	1,142	-	"	-	5.2	
"	85	"	"	2.3		109.687		3.2	1,147	-	"	-	3.	
"	86	"	"	2.6		109.687	.091	3.3	1,192	-	"	-	3.	
"	87	"	"	2.5		109.687		3.3	1,128	-	"	-	3.6	
Sept. 27	88	"	"	2.4	Elongated cast iron shot.	100.875		3.1	1,164	-	"	-	4.3	It appeared as if a stud fell off in flight.
"	89	"	"	2.8		101.062		3.2	1,109	-	"	-	39.	
"	90	"	"	2.6		100.375		3.2	1,144	-	"	-	4.3	
"	91	"	"	2.6		100.687		3.2	1,145	-	"	-	3.7	
"	92	"	"	2.6		100.625		3.2	1,162	-	"	-	4.3	
"	93	"	"	2.6		100.875		3.1	1,145	-	"	-	2.7	
"	94	"	"	2.6		100.750		3.2	1,132	-	"	-	2.7	
"	95	"	"	2.3		100.562		3.2	1,127	-	"	-	3.5	
"	96	"	"	2.9		101.187		3.2	1,141	-	"	-	2.7	
"	97	"	"	2.4		100.375		3.3	1,152	-	"	-	3.9	
"	98	"	"	2.8		101.437		3.4	1,153	-	"	-	3.9	

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Dry. Feet.	Elongated cast iron shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Sept. 27	99	20	2	3.9		101.062		3.6	1,380	-	Nil	-	4.1	
"	100	"	"	3.9		100.625		3.6	1,379	-	"	-	4.1	
"	101	"	"	3.7		101.437		3.6	1,348	-	"	-	2.7	
"	102	"	"	3.9		101.250		3.5	1,355	-	"	-	4.1	
"	103	"	"	3.9		101.062		3.5	1,396	-	"	-	.5	
"	104	"	"	3.9		100.812		3.5	1,349	-	"	-	4.5	
"	105	"	"	3.9		100.812		3.6	1,359	-	"	-	3.9	
"	106	"	"	3.10		100.437		3.8	1,436	-	"	-	5.1	
"	107	"	"	3.9		101.0	.091	3.7	1,464	-	"	-	4.5	
"	108	"	"	3.8		100.812		3.5	1,370	-	"	-	4.1	
"	109	25	"	4.9		100.875		3.6	1,465	-	"	-	1.5	
"	110	"	"	4.9		100.687		3.5	1,390	-	"	-	1.7	
"	111	"	"	4.11		101.250		3.6	1,452	-	"	-	.7	
"	112	"	"	4.6		101.250		3.6	1,427	-	"	-	3.5	
"	113	"	"	4.11		100.625		3.6	1,456	-	"	-	5.5	
"	114	"	"	4.9		100.437		3.6	1,437	-	"	-	2.5	
"	115	"	"	4.10		101.125		3.6	1,463	-	"	-	4.5	
"	116	"	"	4.10		100.625		3.6	1,437	-	"	-	3.7	
"	117	"	"	4.11		100.937		3.6	1,439	-	"	-	2.1	
"	118	"	"	5.0		100.812		3.5	1,493	-	"	-	6.1	
A dry sponge used. The whole of the shot used this day (27th September) were of the 3d supply (painted with two coats of paint). Gun on platform with slope, 6° 39' from this date (27th September) till 10th October, inclusive.														
Sept. 28	119	12	10	2.1	Elongated cast iron shot.	100.625		13.3	3,924	-	Nil	-	22.5	
"	120	"	"	2.0		100.812		13.3	3,972	-	"	-	83.9	
"	121	"	"	2.0		100.687		13.3	3,960	-	"	-	66.5	
"	122	"	"	2.0		100.750		13.2	3,944	-	"	-	81.7	
"	123	"	"	2.0		100.312		13.3	3,952	-	"	-	87.9	
"	124	"	"	2.0		100.375		12.7	3,846	-	"	-	110.7	
"	125	"	"	2.0		100.312		12.6	3,852	-	"	-	111.7	
"	126	"	"	1.11		100.875		13.0	3,864	-	"	-	87.5	
"	127	"	"	2.0		100.250		12.6	3,831	-	"	-	101.9	
"	128	"	"	2.0		100.875		13.1	3,945	-	"	-	96.9	
"	129	20	"	3.2		100.0		14.0	4,331	-	"	-	96.5	
"	130	"	"	3.3		101.062		14.0	4,394	-	"	-	91.5	
"	131	"	"	3.4		101.062		14.0	4,402	-	"	-	97.5	
"	132	"	"	3.3		100.937		14.2	4,387	-	"	-	102.9	
"	133	"	"	3.3		100.750	.091	14.0	4,383	-	"	-	114.1	
"	134	"	"	3.2		100.062		14.1	4,391	-	"	-	101.9	
"	135	"	"	3.2		100.5		14.0	4,338	-	"	-	109.5	
"	136	"	"	3.2		100.687		14.0	4,346	-	"	-	90.5	
"	137	"	"	3.3		100.812		14.6	4,296	-	"	-	97.5	
"	138	"	"	3.2		100.437		13.7	4,238	-	"	-	114.7	
"	139	25	"	4.2	Elongated cast iron shot.	100.812		Not observed	4,520	-	"	-	135.5	
"	140	"	"	4.4		100.875		"	4,574	-	"	-	123.5	
"	141	"	"	4.3		100.812		14.5	4,568	-	"	-	114.5	
"	142	"	"	4.3		100.062		14.6	4,582	-	"	-	125.5	
"	143	"	"	4.2		100.687		14.8	4,620	-	"	-	115.5	
"	144	"	"	4.2		100.812		14.2	4,604	-	"	-	103.5	
"	145	"	"	4.3		100.062		14.2	4,584	-	"	-	125.5	
"	146	"	"	4.1		100.812		14.0	4,490	-	"	-	135.5	
"	147	"	"	4.2		100.812		14.5	4,560	-	"	-	104.5	
"	148	"	"	4.3		100.875		Not observed	4,558	-	"	-	125.5	
Wind changed. Painted shot.														
Shot which have been exposed on the beach.														

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Gun.	Diff. of Range.	Deflection.		REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	
1864:		Lbs.	°	Dry. Feet.	Elongated cast iron shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.
Sept. 29	149	20	5	3·6		99·375		6·9	2,462	-	Nil	-	13·5
"	150	"	"	3·4		99·0		6·9	2,466	-	"	-	13·9
"	151	"	"	3·5		99·375		7·2	2,489	-	"	-	22·5
"	152	"	"	3·5		99·062		7·5	2,575	-	"	-	23·5
"	153	"	"	3·4		99·437		7·1	2,500	-	"	-	11·9
"	154	"	"	3·5		99·5		7·1	2,521	-	"	-	19·5
"	155	"	"	3·5		100·062	·091	7·6	2,650	-	"	-	25·5
"	156	"	"	3·6		100·312		7·4	2,604	-	"	-	19·5
"	157	"	"	3·9		100·062		7·5	2,650	-	"	-	22·5
"	158	"	"	3·3		100·437		7·5	2,575	-	"	-	21·5
"	159	"	"	3·5		101·0		7·3	2,676	-	"	-	19·9
"	160	"	"	3·6		100·937		7·5	2,656	-	"	-	22·5
"	161	"	"	3·6		100·875		7·6	2,675	-	"	-	27·5
"	162	"	"	Not observed		100·187		7·5	2,622	-	"	-	22·5
"	163	"	"	3·6		100·625	7·4	2,670	-	"	-	33·5	
"	164	"	"	3·6		100·812	7·4	2,622	-	"	-	26·5	
"	165	"	"	3·3		98·875	7·2	2,476	-	"	-	21·5	
"	166	"	"	3·4		99·0	7·2	2,522	-	"	-	20·5	
"	167	"	"	3·3		99·250	7·3	2,628	-	"	-	21·5	
"	168	"	"	3·4		98·750	7·2	2,550	-	"	-	22·5	
A damp sponge used. A metal rammer was used at the 150th, 151st, 152d, and 154th rounds, at the 155th round the shot could not be got in, so Palliser's studs, 3d supply, were substituted till the studs of the 2d supply could be reduced. Length of cartridge, 15·5 inches. Length of wad and grummet, 1·9 inches.													
Oct. 6	169	12	5	2·2	Elongated cast iron shot.	100·375		Not observed	2,294	-	Nil	-	47·5
"	170	"	"	2·3		100·250	7·4	2,368	-	"	-	58·5	
"	171	"	"	2·3		100·812	6·8	2,213·2	-	"	-	47·5	
"	172	"	"	2·2		100·187	7·0	2,309·4	-	"	-	49·5	
"	173	"	"	2·2		100·562	6·8	2,242	-	"	-	52·5	
"	174	"	"	2·1		99·375	6·6	2,146	-	"	-	34·5	
"	175	"	"	2·3		99·5	6·8	2,122	-	"	-	40·5	
"	176	"	"	2·1		99·250	6·2	2,032	-	"	-	32·5	
"	177	"	"	2·2		99·625	6·1	2,020	-	"	-	12·5	
"	178	"	"	2·3		99·5	6·5	2,138·6	-	"	10·5	-	
"	179	20	"	3·8		100·312	7·4	2,565·2	-	"	-	40·0	
"	180	"	"	3·8		100·437	7·2	2,532	-	"	-	52·5	
"	181	"	"	3·6		100·437	7·5	2,512	-	"	-	62·5	
"	182	"	"	3·6		100·750	7·9	2,561	-	"	-	46·5	
"	183	"	"	3·6		100·750	7·3	2,536	-	"	-	60·5	
"	184	"	"	3·5		101·0	7·4	2,510·2	-	"	-	59·5	
"	185	"	"	3·3		100·187	7·3	2,497	-	"	-	55·5	
"	186	"	"	3·5		101·187	7·5	2,552	-	"	-	51·5	
"	187	"	"	3·6		101·125	7·3	2,524	-	"	-	34·5	
"	188	"	"	3·5		100·750	7·3	2,588	-	"	-	74·5	
"	189	25	"	4·6		100·187	7·6	2,713·2	-	"	-	55·5	
"	190	"	"	4·6		101·062	7·7	2,673·4	-	"	-	67·5	
"	191	"	"	4·9		101·375	7·7	2,720·6	-	"	-	60·5	
"	192	"	"	4·7		100·625	7·8	2,773	-	"	-	61·5	
"	193	"	"	4·3		101·0	7·5	2,636·4	-	"	-	72·5	
"	194	"	"	4·7		100·812	Not observed	2,745	-	"	-	61·5	
"	195	"	"	4·6		100·625	"	2,755	-	"	-	85·5	
A damp sponge used throughout.													

Brand of Powder,
L. G. W. A. A. 4. Lot 607.Shot that have been
exposed on the
beach for 10
days.Difficulty in loading, metal
rammer used. Shot 2d
supply with zinc but-
tons supported; zinc filed
down, ·05 inches.Shot that has been exposed
on the beach for 10 days.

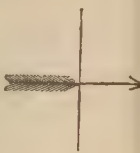
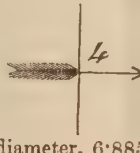
EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Craze.	Diff. of Range.	Deflection.		REMARKS.			
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.		
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.			
Oct. 7	196	12	0	-	Elongated cast iron shot.	101·125	·091	-	-	-	Nil	-	-	Painted shot.		
"	197	"	"	-		100·375		-	-	-	-	"	-		-	
"	198	"	"	-		101·312		-	-	-	-	"	-	-	Shot exposed on beach.	
"	199	20	"	-		100·687		-	-	-	-	"	-	-		
"	200	"	"	-		100·875		-	-	-	-	"	-	-	Recovered shot.	
"	201	"	"	-		101·125		-	-	-	-	"	-	-		
"	202	25	"	-		100·437		-	-	-	-	"	-	-	Painted shot.	
"	203	"	"	-		100·875		-	-	-	-	"	-	-		
"	204	"	"	-		101·187		-	-	-	-	"	-	-	Recovered shot.	
"	205	"	"	-		100·562		-	-	-	-	"	-	-		
"	206	"	"	-	100·875	-	-	-	-	"	-	-				
"	207	"	"	-	100·687	-	-	-	-	"	-	-				
					Mean.											
"	208	12	"	-	Round shot.	43·375	·115	-	-	-	"	-	-	Round shot; diameter, 6·885 inches, without wood bottoms.		
"	209	"	"	-				-	-	-	-	-	"		-	-
"	210	"	"	-				-	-	-	-	-	"		-	-
"	211	20	"	-				-	-	-	-	-	"		-	-
"	212	"	"	-				-	-	-	-	-	"		-	-
"	213	"	"	-				-	-	-	-	-	"		-	-
The above rounds were fired for initial velocity.																
Oct. 10	214	20	5	4·9	Elongated cast iron shot.	109·437	·091	Not observed.	2,475	-	"	-	23·5	Brand of Powder, L. G. W. A. A. 4. Lot 602.		
"	215	"	"	4·9		110·187		7·1	2,504·6	-	"	-	-		31·7	
"	216	"	"	4·6		109·750		6·9	2,438	-	"	-	-	12·5		
"	217	"	"	4·4		109·562		6·7	2,297	-	"	-	-	18·2		
"	218	"	"	4·1		109·375		Not observed.	2,328	-	"	-	-	15·1	Shot of the 1st sup- ply which have been travelled 200 miles, and rusty.	
"	219	"	"	4·0		109·5		6·6	2,372·4	-	"	-	-	20·7		
"	220	"	"	3·11		109·812		6·8	2,423	-	"	-	-	23·5		
"	221	"	"	4·3		109·562		6·9	2,417	-	"	-	-	18·7		
"	222	"	"	4·0		109·562		6·6	2,339	-	"	-	-	34·7		
"	223	"	"	3·10		109·437		6·8	2,459	-	"	-	-	18·9		
"	224	"	"	3·2		99·687		Not observed.	2,373	-	"	-	-	19·1		
"	225	"	"	3·3		99·562		6·7	2,421	-	"	-	-	25·7	Shot of the 2d supply hol- lowed out and plugged at the base; the zinc studs made 1·94 inches across.	
"	226	"	"	3·2		99·437		7·1	2,486	-	"	-	-	33·7		
"	227	"	"	3·3		99·437		7·0	2,410	-	"	-	-	15·5		
"	228	"	"	3·1		99·250		6·8	2,410·6	-	"	-	-	32·5		
"	229	"	"	3·3		99·0		7·0	2,440	-	"	-	-	40·1		
"	230	"	"	3·6		99·687		7·0	2,528	-	"	-	-	29·1		
"	231	"	"	3·4	99·562	7·3	2,534·4	-	"	-	-	38·1				
"	232	"	"	3·3	110·437	7·2	2,516	-	"	-	-	18·1				
"	233	"	"	3·6	99·437	7·2	2,445	-	"	-	-	22·9				
A damp sponge used.																
					Mean.											
Oct. 11	234	12	2	1·6	Round shot.	44·312	·115	3·6	1,296	-	"	-	14·	Brand of Powder, L. G. W. A. A. 4. 26/1/64. Lot 710.		
"	235	"	"	1·3				3·1	1,155	-	"	-	-		11·6	
"	236	"	"	1·3				3·4	1,242	-	"	-	-		5·4	
"	237	"	"	1·2				3·6	1,262	-	"	-	-		16·	
"	238	"	"	1·2				3·2	1,160	-	"	-	-		3·2	
"	239	"	"	1·3				3·4	1,247	-	"	2·4	-	-	-	Round shot; diameter, 6·885 inches, with wood bottoms.
"	240	"	"	1·2				3·4	1,227	-	"	-	-	4·4		
"	241	"	"	1·2				4·1	1,454	-	"	-	-	8·		
"	242	"	"	1·1				3·2	1,180	-	"	-	-	2·8		
"	243	"	"	1·2				3·4	1,250	-	"	-	-	16·4		
"	244	20	"	1·8				3·6	1,357	-	"	-	-	14·4	Round shot as above, with wood bottoms.	
"	245	"	"	2·0				3·3	1,256	-	"	-	-	1·		
"	246	"	"	1·11				3·7	1,442	-	"	-	-	4·		
"	247	"	"	1·9				3·3	1,292	-	"	-	-	8·4		
"	248	"	"	1·9				3·5	1,411	-	"	-	-	14·		
"	249	"	"	1·10				3·9	1,429	-	"	-	-	4·		
"	250	"	"	1·9	3·5	1,361	-	"	-	-	13·					
"	251	"	"	1·9	3·8	1,462	-	"	-	-	14·					
"	252	"	"	1·8	3·7	1,451	-	"	-	-	8·					
"	253	"	"	1·11	3·3	1,292	-	"	-	-	3·					

A damp sponge used; no wads. The gun this day, and on the 12th October, was on the platform, with 6° 35' slope.

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—*continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Gz.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864 :		Lbs.	°	Dry, Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Oct. 11	254	12	5	1'0	Round shot.	44'312		6'6	2,074	-	Nil	-	23'6	 Wind increased to 5.
"	255	"	"	1'0				6'3	1,942	-	"	-	18'2	
"	256	"	"	1'0				7'2	2,151'6	-	"	-	18'2	
"	257	"	"	1'0				6'9	2,056'6	-	"	-	24'6	
"	258	"	"	1'0				6'5	2,171	-	"	-	8'4	
"	259	"	"	1'0				8'0	2,358	-	"	-	32'	
"	260	"	"	1'0				7'4	2,204	-	"	-	9'2	
"	261	"	"	1'0				6'6	2,042	-	"	-	26'6	
"	262	"	"	1'0				6'6	2,011	-	"	-	14'4	
"	263	"	"	1'0		7'0	2,145'4	-	"	-	39'4	Round shot; diameter, 6'88 inch, with wood bottoms.		
Oct. 12	264	20	"	1'6	Round shot.	43'375		Not observed.	2,149	-	"	-	11'	 A damp sponge used; no wad.
"	265	"	"	1'6			'115	7'2	2,272	-	"	-	16'2	
"	266	"	"	1'6				7'2	2,288	-	"	-	49'6	
"	267	"	"	1'6				Not observed.	2,258	-	"	-	32'4	
"	268	"	"	1'0				"	2,220'6	-	"	-	21'6	
"	269	12	"	1'6				6'5	1,973	-	"	4	-	
"	270	"	"	1'0				6'9	2,075	-	"	-	17'2	
"	271	"	"	1'0				6'6	2,033	-	"	-	29'6	
"	272	"	"	1'0				7'3	1,986	-	"	-	15'4	
"	273	"	"	1'0	Not observed.	1,922		-	"	-	28'6	Round shot; diameter, 6'88 inch, without wood bottoms.		
"	274	"	"	1'0		6'9	2,141	-	"	-	8'			
"	275	"	"	1'0		6'7	2,096	-	"	-	8'			
"	276	"	"	1'0		6'7	2,033	-	"	14'6	-			
"	277	"	"	1'0		7'3	1,983	-	"	-	4'6			
"	278	"	"	1'0		7'0	2,093	-	"	-	12'8			
A damp sponge used, with grummet wad. Felt and cardboard attached to cartridge.														
Oct. 13	279	12	2	1'0	Round shot.	43'375		3'5	1,202	-	Nil	-	19'6	 For the first 15 rounds a grummet was placed in front of the cartridge, and one in front of the shot. The whole of these 25 were covered shot; diameter 6'885 inch. Grummet was with felt and cardboard attached to cartridge, and grummet in front of the shot for the last 15 rounds.
"	280	"	"	1'0				3'0	1,172'4	-	"	-	3'8	
"	281	"	"	1'2				3'2	1,238	-	"	-	4'6	
"	282	"	"	1'1				3'1	1,157	-	"	-	3'2	
"	283	"	"	1'0				3'2	1,100'4	-	"	-	6'2	
"	284	"	"	1'0				3'5	1,279'4	-	"	-	7'4	
"	285	"	"	1'0				Not observed.	1,073	-	"	8	-	
"	286	"	"	1'0				3'1	1,186	-	"	-	10'4	
"	287	"	"	1'0				4'0	1,226	-	"	-	4'	
"	288	"	"	1'0		3'1	1,129	-	"	6	-			
"	289	20	"	1'8	Round shot.	43'375		4'2	1,596	-	"	-	12'4	
"	290	"	"	1'9			'115	3'4	1,342	-	"	-	6'81	
"	291	"	"	1'8				3'4	1,360	-	"	-	18'6	
"	292	"	"	1'7				3'5	1,375	-	"	-	13'2	
"	293	"	"	1'8				3'4	1,327	-	"	-	12'	
"	294	"	"	1'8				3'7	1,425	-	"	-	6'8	
"	295	"	"	1'7				3'8	1,484	-	"	-	10'4	
"	296	"	"	1'8				3'7	1,434	-	"	4	-	
"	297	"	"	1'9				3'3	1,338	-	"	-	3'4	
"	298	"	"	1'8	3'6	1,424		-	"	4'6	-			
"	299	"	5	1'7		7'0	2,233	-	"	-	17'6			
"	300	"	"	1'6		6'8	2,230	-	"	2'6	-			
"	301	"	"	1'9		7'1	2,290	-	"	-	21'			
"	302	"	"	1'8		7'2	2,315	-	"	-	3'6			
"	303	"	"	1'6		7'0	2,252	-	"	-	7'			
A damp sponge used. From this day, this gun (French) became No. 2 in the order of firing, having changed place with Scott's gun. Slope of platform, 6° 35'.														

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Gaze.	Diff. of Range.	Deflection.			REMARKS.		
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.			
1864:		Lbs.	°	Dry. Feet.	Elongated cast iron shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	Simultaneous load- ing; shot, 2d supply, hollowed out, and plugged at base. No wads used. The large zinc stud, made 1 ¹¹ / ₆₄ across.		
Oct. 20	304	20	2	4·3		99·5		3·8	1,417	—	Nil	—	18·8			
"	305	"	"	4·2		99·562		4·2	1,554	—	"	—	10·4			
"	306	"	"	4·0		99·562		3·9	1,492	—	"	—	14·			
"	307	"	"	4·0		99·250		3·0	1,145·6	—	"	3	—			
"	308	"	"	4·6		99·062		3·9	1,476	—	"	—	9·8			
"	309	"	"	3·7		99·312		3·9	1,436	—	"	—	19·			
"	310	"	"	3·6		99·5		3·2	1,198	—	"	1·8	—			
"	311	"	"	3·2		99·375		3·2	1,220	—	"	—	1·4			
"	312	"	"	3·3		99·5		3·0	1,224	—	"	—	2·			
"	313	"	"	3·3		99·5	·091	3·3	1,306	—	"	2	—			
"	314	"	5	3·2		99·750		Not observed.	2,617	—	"	—	9·			
"	315	"	"	3·0		99·375		7·1	2,603	—	"	—	10·8			
"	316	"	"	3·2		99·250		7·4	2,640	—	"	—	·2			
"	317	"	"	3·0		98·687		7·1	2,649	—	"	—	19·			
"	318	"	"	3·2		99·875		7·1	2,635	—	"	—	17·			
"	319	"	"	3·1		99·312		6·8	2,546	—	"	—	14·4			
"	320	"	"	3·0		99·562		7·2	2,550	—	"	—	21·			
"	321	"	"	3·0		99·625		7·2	2,583	—	"	—	18·2			
"	322	"	"	3·2		99·062		Not observed.	2,671	—	"	—	25·			
"	323	"	"	3·3		99·312		"	2,563	—	"	—	11·8			
Add	33	rounds, fired in a previous experiment, viz.:—At Shoeburyness, 24 rounds; and 9 rounds at Woolwich, for initial velocity.														
	356	A damp sponge used.														
		In rounds 306 to 309 inclusive, it appeared as though a stud fell off during flight.														

In rounds 306 to 309 inclusive, it appeared as though a stud fell off during flight.

End of the practice with solid shot.

GENERAL REMARKS.

Elevation throughout by tangent. The gun was laid at the top of a target 6' × 6', thus:—

On the 12th July, at 2,000 yards' distance.

On the 13th July, ditto.

On the 14th July, at 1,000 and 2,000 yards' distance.

On the 15th July, at 2,000 yards' distance.

On the 26th July and following days, at 1,000 yards' distance.

The actual calibre of the gun is 6·996 inches, but the windage has been calculated as if the gun was 7·0 inches.

The gun was examined, and an impression of the vent taken at the following stages of the experiment, viz.:—

After the 30th round.

After the 303d round.

The elongated cast-iron projectiles used with this gun were of the following description:—

Shot of the 1st Supply.—Solid; length 12·48 inches, with six studs, the three rear ones of zinc, about 1·15 inches in diameter, the front ones about 2 inches diameter; half of front stud of iron, bearing only on the front studs.*2d Supply.*—Hollow; same length as those of 1st supply, but reduced to 100 lbs. weight by boring out at the base, and plugged; studs the same, but with an iron support for rear studs, ·8 inch in width, tapered to base of shot, bearing only on front stud.*3d Supply.*—Solid; length 11·58 inches; studs of gun-metal, the front ones 1·5 inches in diameter, the rear about 1·8 inches in diameter, and so placed that the bearing was on both studs.

No difficulty occurred in loading; only Nos. 2 and 3 were employed to ram home.

The wood bottoms of the round shot had to be reduced (in diameter), being too high.

The shot that had been exposed on the beach at low-water mark for 10 days were not very much rusted in consequence.

(signed) F. Eardley Wilmot, Colonel,
Commandant and Supt.

(Competitive.)

PLUGGED COMMON SHELL.

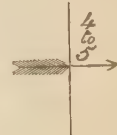
EXPERIMENTAL PRACTICE continued with a 7-inch Wrought Iron M. L. Gun, rifled on the French System.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	°	Dry. Feet.	Elongated cast iron common shell.	* Empty. Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 8	1	20	2	Not observed.		95.312		3.7	1,412	-	Nil	-	7.7	
Mar. 21	2	"	"	3.9		95.312		3.4	1,358	-	"	-	5.1	
"	3	"	"	3.6		95.125		3.4	1,312	-	"	-	5.1	
"	4	"	"	3.9		94.875		3.5	1,314	-	"	-	6.3	
"	5	"	"	3.8		94.187		3.4	1,306	-	"	-	3.3	
"	6	"	"	3.6		94.125		3.4	1,284	-	"	-	3.3	
"	7	"	"	3.9		94.5		3.5	1,352	-	"	-	3.7	
"	8	"	"	3.9		94.5		3.4	1,340	-	"	-	2.3	
"	9	"	"	4.0		94.5		3.6	1,410	-	"	-	4.9	
"	10	"	"	3.9		95.125		3.4	1,339	-	"	-	3.9	
"	11	"	"	3.6		93.750		3.6	1,334	-	"	-	3.7	
"	12	"	"	3.6		93.812		3.4	1,333	-	"	-	3.5	
"	13	"	"	4.0		94.687		3.5	1,376	-	"	-	5.3	
"	14	"	"	3.9		94.562		3.5	1,352	-	"	-	4.3	
"	15	"	"	3.9		94.5		3.3	1,293	-	"	-	3.3	
"	16	"	"	3.2		94.375		3.4	1,297	-	"	-	3.7	
"	17	"	"	3.9		95.125		3.4	1,336	-	"	-	3.5	
"	18	"	"	3.9		93.750		3.5	1,344	-	"	-	4.3	
"	19	"	"	3.6		95.125		3.5	1,340	-	"	-	5.1	
"	20	"	"	3.6		94.875	.09	3.4	1,345	-	"	-	2.1	
"	21	"	5	3.9		94.687		7.2	2,503	-	"	-	19.9	
"	22	"	"	3.0		94.750		7.0	2,411	-	"	-	18.3	
"	23	"	"	3.7		95.250		7.0	2,412	-	"	-	18.3	
"	24	"	"	3.0		95.375		7.0	2,485	-	"	-	18.7	
"	25	"	"	3.3		94.625		7.2	2,487	-	"	-	19.5	
"	26	"	"	3.6		95.5		7.1	2,490	-	"	-	19.7	
"	27	"	"	3.3		96.312		7.2	2,530	-	"	-	20.1	
"	28	"	"	3.3		96.312		7.2	2,544	-	"	-	23.3	
"	29	"	"	3.3		95.375		7.1	2,500	-	"	-	19.9	
"	30	"	"	3.3		96.187		7.3	2,467	-	"	-	21.3	
"	31	"	"	3.0		95.5		7.0	2,418	-	"	-	20.3	
"	32	"	"	3.3		95.312		7.3	2,553	-	"	-	13.3	
"	33	"	"	3.4		95.687		Not observed.	2,450	-	"	-	20.5	
"	34	"	"	3.3		95.125		7.0	2,471	-	"	-	15.3	
"	35	"	"	3.2		94.687		7.1	2,471	-	"	-	19.5	
"	36	"	"	3.1		94.875		7.2	2,524	-	"	-	17.3	
"	37	"	"	3.3		95.375		7.2	2,510	-	"	-	18.9	Wind changed
"	38	"	"	3.3		95.250		7.2	2,505	-	"	-	18.5	
"	39	"	"	3.3		94.937		7.2	2,505	-	"	-	18.3	
"	40	"	"	3.3		95.312		7.4	2,544	-	"	-	19.5	

* Vide remark in page 29, relative to weight of shell.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Dry. Feet.		* Empty. Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 22	41	20	10	3·9		95·062		13·0	4,216	-	Nil	-	105·3	
"	42	"	"	3·4		94·812		13·0	4,170	-	"	-	81·3	
"	43	"	"	3·3		95·375		13·0	4,160	-	"	-	94·3	
"	44	"	"	Not observed.		94·687		12·8	4,078	-	"	-	102·3	
"	45	"	"	3·0		94·5		13·0	4,119	-	"	-	93·3	
"	46	"	"	3·0		94·875		12·6	4,053	-	"	-	91·3	
"	47	"	"	Not observed.		95·0		Not observed.	4,124	-	"	-	99·3	
"	48	"	"	3·0		94·937		12·9	4,155	-	"	-	84·3	
"	49	"	"	3·0		94·812		12·6	4,004	-	"	-	93·3	
"	50	"	"	Not observed.		95·562	·09	12·6	4,095	-	"	-	100·3	
"	51	"	"	"	Elongated cast iron common shell.	95·375		Not observed.	4,126	-	"	-	96·3	Wind 3. Brand of powder, L. G. W. A. 25/2/64. Lot 732.
"	52	"	"	"		95·125		12·7	4,087	-	"	-	99·3	
"	53	"	"	"		94·750		Not observed.	4,106	-	"	-	83·3	
"	54	"	"	"		95·0		12·9	4,090	-	"	-	95·3	Wind 4 to 5.
"	55	"	"	"		94·562		12·9	4,022	-	"	-	84·3	
"	56	"	"	"		95·750		12·8	4,140	-	"	-	103·3	
"	57	"	"	2·9		95·0		12·8	4,118	-	"	-	89·3	Wind in gusts.
"	58	"	"	Not observed.		95·375		Not observed.	4,146	-	"	-	107·3	
"	59	"	"	"		95·0		"	4,190	-	"	-	84·3	
"	60	"	"	"		94·562		"	4,178	-	"	-	96·3	



Elevation throughout by quadrant. Gun laid at a target 6' × 6', distant 1,000 yards. The gun was mounted on a garrison sliding carriage, on a wood traversing platform, slope 5° 30'. D. Racer, a compressor (inside), was used slack. Dry sponge used throughout. The cartridge and shell were sent home separately. The operation of loading, on the whole, was easier with this gun than with the Scott and Lancaster, the only difficulty being with the wads, which were too high. The shells were all washed free from dirt before loading, they were painted and fired filled, having been weighted up to 100 lbs. each by means of sand, and plugged. The shells will contain 5·562 lbs. of bursting powder.

The shells in round 1 to 20 had a moorsom fuze hole.

The shells in round 21 to 40 had a F. S. Rifle shell hole.

The shells in round 41 to 60 had a L. S. spherical common shell hole.

Shell - - -	{	Length	-	-	-	-	-	-	15·175 inches.
		Length of bearing	-	-	-	-	-	-	6·18 "
		Diameter over body	-	-	-	-	-	-	6·9 "
		Diameter over one button	-	-	-	-	-	-	7·16 "

The shells have a small button on the upper part 1·56 inches in diameter, and a large one at bottom 1·94 inches in diameter.

Cartridges -	{	Length	-	-	-	-	-	-	19·4 inches.
		Diameter	-	-	-	-	-	-	6·4 "

F. Eardley Wilmot, Colonel,
Comdt. and Supt.

* *Vide* remark in page 29 relative to weight of shell.

"French" v. "Shunt."

CAST IRON SHOT.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
		Lbs.	°	Wet. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
1865: Mar. 6	1	12	5	3.3	Elongated cast iron shot.	100.625		Not observed.	2,171	-	Nil	-	17.3	A little noisy.
	2	"	"	2.6		100.875		"	2,152	-	"	-	18.3	
	3	"	"	2.6		100.062		"	2,284	-	"	-	16.7	
	4	"	"	2.6		100.375		6.8	2,202	-	"	-	12.9	
	5	"	"	2.6		101.0		6.7	2,202	-	"	-	11.3	
	6	"	"	2.6		100.437		6.9	2,183	-	"	-	15.3	
	7	"	"	2.9		100.437		7.0	2,286	-	"	-	17.9	
	8	"	"	3.0		101.125		7.1	2,312	-	"	-	14.9	
	9	"	"	2.9		101.062		6.9	2,192	-	"	-	17.9	
	10	"	"	2.9		100.062		6.6	2,158	-	"	-	13.5	
	11	20	"	4.6		101.312		7.4	2,544	-	"	-	9.9	A little noisy.
	12	"	"	5.1		101.750		7.6	2,594	-	"	-	14.7	
	13	"	"	5.0		101.062		7.4	2,519	-	"	-	16.9	
	14	"	"	5.0		100.187		7.6	2,595	-	"	-	16.3	
	15	"	"	5.1		100.750		7.4	2,550	-	"	-	16.3	
	16	"	"	5.0		100.812		7.3	2,512	-	"	-	21.9	
	17	"	"	5.0		101.437		Not observed.	2,510	-	"	-	24.3	
	18	"	"	5.1		100.812		7.5	2,521	-	"	-	28.9	
	19	"	"	5.3		100.687		7.2	2,515	-	"	-	29.7	
	20	"	"	5.6		100.625		7.2	2,512	-	"	-	29.8	
	21	25	"	7.0		100.812		7.5	2,640	-	"	-	30.3	Wind changed
	22	"	"	6.9		100.812		7.6	2,656	-	"	-	26.3	
	23	"	"	7.0		100.875		Not observed.	2,657	-	"	-	27.3	
	24	"	"	7.0		100.937	.09	7.6	2,648	-	"	-	34.3	
	25	"	"	7.4		101.187		7.7	2,716	-	"	-	29.3	
	26	"	"	7.3		101.062		7.6	2,658	-	"	-	26.3	
	27	"	"	7.10		100.875		7.8	2,664	-	"	-	34.3	
	28	"	"	7.4		100.375		7.5	2,670	-	"	-	29.3	
	29	"	"	7.3		100.875		7.6	2,677	-	"	-	32.9	
	30	"	"	7.6		100.687		7.7	2,694	-	"	-	28.9	
	31	12	10	3.3		100.062		12.3	3,644	-	"	-	99.3	Wind 3.
	32	"	"	3.3		100.812		12.3	3,650	-	"	-	86.3	
	33	"	"	3.2		100.625		12.6	3,648	-	"	-	92.3	
	34	"	"	3.3		101.625		12.4	3,650	-	"	-	86.3	
	35	"	"	3.1		101.0		12.4	3,567	-	"	-	104.3	
	36	"	"	3.1		101.062		12.2	3,636	-	"	-	80.3	
	37	"	"	3.3		101.0		12.3	3,609	-	"	-	83.3	
	38	"	"	3.0		100.312		11.9	3,500	-	"	-	99.3	
	39	"	"	Not observed.		100.187		12.0	3,514	-	"	-	88.3	
	40	"	"	3.3		100.812		12.5	3,679	-	"	-	97.3	
	41	"	2	Not observed.		100.187		Not observed.	1,038	-	"	-	7.9	Wind 3.
	42	"	"	3.5		100.625		3.0	1,054	-	"	-	5.5	
	43	"	"	3.4		100.375		Not observed.	1,106	-	"	-	5.1	
	44	"	"	3.9		100.187		2.9	1,025	-	"	-	4.7	
	45	"	"	3.4		100.750		3.0	1,064	-	"	-	6.3	
	46	"	"	3.3		100.0		3.0	1,050	-	"	-	5.3	
	47	"	"	3.3		100.187		3.1	1,046	-	"	-	6.3	
	48	"	"	3.3		100.812		3.1	1,064	-	"	-	6.5	
	49	"	"	3.2		100.437		3.2	1,118	-	"	-	6.9	
	50	"	"	Not observed.		101.562		Not observed.	1,070	-	"	-	4.9	

2

2

2

EXPERIMENTAL PRACTICE, with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Damp. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
March 7	51	20	2	Not observed.		101·5		3·6	1,350	—	Nil	—	8·9	Dry sponge used this day throughout.
"	52	"	"	4·9		101·437		Not observed.	1,348	—	"	—	7·5	
"	53	"	"	4·11		101·187		"	1,363	—	"	—	8·1	
"	54	"	"	4·9		101·312		"	1,278	—	"	—	9·1	
"	55	"	"	4·9		101·187		3·4	1,312	—	"	—	7·5	
"	56	"	"	4·10		101·312		3·4	1,345	—	"	—	8·5	
"	57	"	"	4·8		101·062		3·5	1,353	—	"	—	9·3	
"	58	"	"	4·6		101·250		3·5	1,317	—	"	—	7·3	
"	59	"	"	4·8		101·375		3·6	1,355	—	"	—	9·3	
"	60	"	"	4·6		101·312		3·3	1,341	—	"	—	8·7	
"	61	25	"	5·4		101·312		3·6	1,444	—	"	—	7·7	Wind 3 to 4.
"	62	"	"	5·3		101·312		3·4	1,393	—	"	—	7·7	
"	63	"	"	5·3		101·562		3·7	1,473	—	"	—	10·3	
"	64	"	"	5·3		101·5		3·6	1,449	—	"	—	8·1	
"	65	"	"	5·3		101·437		3·8	1,500	—	"	—	7·3	
"	66	"	"	5·0		100·875		3·7	1,396	—	"	—	6·3	
"	67	"	"	5·0		101·187		3·7	1,459	—	"	—	7·3	
"	68	"	"	4·6		101·0		3·5	1,439	—	"	—	10·1	
"	69	"	"	4·9		101·062		3·5	1,437	—	"	—	9·9	
"	70	"	"	4·9		101·562	·09	3·6	1,406	—	"	—	9·1	
"	71	20	10	3·7	Elongated cast-iron shot.	101·250		14·4	4,446	—	"	—	156·3	Wind 4 to 5.
"	72	"	"	3·6		101·250		14·0	4,350	—	"	—	146·3	
"	73	"	"	3·3		101·5		Not observed.	4,309	—	"	—	149·3	
"	74	"	"	3·7		100·750		14·5	4,462	—	"	—	154·3	
"	75	"	"	3·6		101·375		Not observed.	4,363	—	"	—	133·3	
"	76	"	"	3·3		101·562		13·8	4,225	—	"	—	152·3	
"	77	"	"	3·3		101·312		13·9	4,342	—	"	—	140·3	
"	78	"	"	3·4		100·812		13·7	4,276	—	"	—	138·3	
"	79	"	"	3·6		101·375		14·5	4,470	—	"	—	154·3	
"	80	"	"	3·4		101·437		13·7	4,353	—	"	—	149·3	
"	81	25	10	4·1		101·562		15·0	4,600	—	"	—	150·3	
"	82	"	"	4·2		101·187		15·0	4,455	—	"	—	152·3	
"	83	"	"	4·4		101·437		14·5	4,589	—	"	—	159·3	
"	84	"	"	4·1		101·750		14·2	4,549	—	"	—	148·3	
"	85	"	"	3·9		101·437		14·5	4,537	—	"	—	144·3	
"	86	"	"	Not observed.		100·812		14·2	4,484	—	"	—	148·3	
"	87	"	"	3·11		100·937		14·5	4,531	—	"	—	144·3	
"	88	"	"	3·11		101·375		14·6	4,578	—	"	—	159·3	
"	89	"	"	Not observed.		101·687		14·1	4,527	—	"	—	153·3	
"	90	"	"	3·9		101·5		14·2	4,480	—	"	—	163·3	

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE, with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Damp. Feet.	Elongated cast-iron shot.	Lbs.	Mean.	l'	Yards.			Yards.	Yards.	Fired for initial velocity.
Mar. 9	91	12	0	2·9		101·125	·09	-	-	-	Nil.	-	-	
"	92	"	"	2·6		101·812		-	-	-	"	-	-	
"	93	"	"	2·7		101·062		-	-	-	"	-	-	
"	94	20	"	4·6		101·562		-	-	-	"	-	-	
"	95	"	"	4·3		101·562		-	-	-	"	-	-	
"	96	"	"	4·4		101·250		-	-	-	"	-	-	
"	97	25	"	5·3		101·5		-	-	-	-	-	-	
"	98	"	"	4·10		·187		-	-	-	"	-	-	
"	99	"	"	5·0		·187		-	-	-	"	-	-	

Elevation throughout by quadrant. The gun was laid at a target 6' × 6', distant 1,000 yards.

No difficulty occurred in loading.

From the 61st round, the cartridge and shot were sent home separately. It was so arranged that the numbers 2 and 3 should load the same number of rounds with each gun. From their statements, as well as from observation, it appears that the loading with the French gun was a somewhat easier operation than with the shunt.

The wooden platform shook considerably with the heavier charges; the nuts of the screw-bolts passing through the transoms required tightening up after each day's practice.

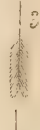
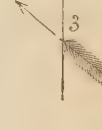
Shot	-	-	Length	-	-	-	-	-	-	11·67	inches.
			Length of bearing	-	-	-	-	-	-	6·22	"
			Diameter of body	-	-	-	-	-	-	6·91	"
			Diameter over one stud	-	-	-	-	-	-	7·172	"
			Diameter of front stud	-	-	-	-	-	-	1·56	"
			Diameter of rear	-	-	-	-	-	-	1·88	"
			Length of re-studded shot	-	-	-	-	-	-	11·58	"
Cartridge	-	-	Length, including wad, 12 lbs. charge	-	-	-	-	-	-	13·9	"
			" " 20 " "	-	-	-	-	-	-	19·4	"
			" " 25 " "	-	-	-	-	-	-	21·9	"
			Diameter	-	-	-	-	-	-	6·5	"

(signed) F. Eardley Wilmot, Colonel,
Comdt. and Supt.

“French” v. “Shunt.”

PLUGGED COMMON SHELL.

EXPERIMENTAL PRACTICE, with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st. Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1865:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
April 6	1	20	10	2·2	Elongated cast-iron common shells filled with sand and plugged.	93·312		13·2	4,510	-	Nil	-	15·3	
"	2	"	"	1·10		94·437		13·3	4,538	-	"	-	15·9	
"	3	"	"	2·1		93·625		13·5	4,580	-	"	-	17·7	
"	4	"	"	1·10		94·062		13·2	4,484	-	"	-	19·9	
"	5	"	"	2·5		93·687		13·5	4,514	-	"	-	22·3	
"	6	"	"	2·10		93·812		13·4	4,552	-	"	-	35·3	
"	7	"	"	2·11		93·5		13·5	4,541	-	"	-	33·3	
"	8	"	"	2·10		93·687		13·2	4,504	-	"	-	32·9	
"	9	"	"	2·9		93·750		13·4	4,581	-	"	-	21·1	
"	10	"	"	2·10		94·0		13·2	4,584	-	"	-	31·3	
"	11	"	"	2·7		93·750		13·2	4,585	-	"	-	30·7	
"	12	"	"	2·9		93·812		13·5	4,644	-	"	-	31·3	
"	13	"	"	2·4		94·250	·09	13·2	4,520	-	"	-	28·3	
"	14	"	"	2·7		93·875		13·2	4,575	-	"	-	14·7	
"	15	"	"	2·6		94·0		13·2	4,524	-	"	-	22·1	
"	16	"	"	2·7		93·187		13·5	4,555	-	"	-	25·7	
"	17	"	"	2·6		93·625		13·3	4,573	-	"	-	21·3	
"	18	"	"	2·9		93·5		13·5	4,648	-	"	-	22·7	
"	19	"	"	2·6		93·812		13·2	4,535	-	"	-	16·3	
"	20	"	"	2·6		93·687		13·2	4,510	-	"	-	23·7	
"	21	"	5	2·9		93·875		7·4	2,773	-	"	-	2·3	
"	22	"	"	2·7		93·750		7·4	2,739	-	"	-	5·1	
"	23	"	"	2·7		93·250		7·3	2,705	-	"	-	3·9	
"	24	"	"	2·7		93·187		7·3	2,718	-	"	-	3·7	
"	25	"	"	2·7		93·250		7·5	2,707	-	"	-	7·1	
"	26	"	"	2·9		93·250		Not observed.	2,770	-	"	-	5·5	
"	27	"	"	2·10		93·125		"	2,800	-	"	-	2·7	
"	28	"	"	2·9		93·625		7·4	2,770	-	"	-	-	
"	29	"	"	3·0		93·250		7·4	2,731	-	"	-	-	
"	30	"	"	3·5		93·125		Not observed.	2,750	-	"	-	·9	

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
April 6	31	20	5	3·8	Elongated cast-iron shell filled with sand and plugged.	93·125		7·4	2,762	—	Nil	—	2·9	Compressor slack.
"	32	"	"	3·6		93·5		7·4	2,755	—	"	—	·3	
"	33	"	"	3·7		93·187		Not observed.	2,773	—	"	—	·3	
"	34	"	"	3·9		93·250		7·4	2,712	—	"	—	·3	Compressor slack.
"	35	"	"	3·8		93·062		7·3	2,774	—	"	—	6·7	
"	36	"	"	3·8		93·125		7·5	2,734	—	"	·5	—	
"	37	"	"	3·6		93·062		7·2	2,752	—	"	—	1·1	
"	38	"	"	3·6		93·562		7·4	2,750	—	"	—	2·1	
"	39	"	"	3·6		93·375		7·4	2,718	—	"	—	1·3	
"	40	"	"	3·6		93·312		7·3	2,763	—	"	—	·9	
"	41	20	2	—	Same shell as above but filled with pow- der and plugged.	93·437		—	—	—	"	—	—	These shells contained 6·625 lbs. of pow- der, and were fired out to sea, to ascer- tain if the shells would burst.
"	42	"	"	—		93·625	·09	—	—	—	"	—	—	
"	43	"	"	—		93·562		—	—	—	"	—	—	
"	44	"	"	—		93·5		—	—	—	"	—	—	
"	45	"	"	—		94·0		—	—	—	"	—	—	
"	46	"	"	4·0		93·625		3·8	1,423	—	"	1·7	—	
"	47	"	"	4·0		93·0		3·8	1,462	—	"	—	·3	
"	48	"	"	3·11		93·812		3·8	1,424	—	"	·7	—	
"	49	"	"	3·9		93·437		3·6	1,387	—	"	2·3	—	
"	50	"	"	3·11		93·5		3·7	1,450	—	"	—	1·1	
"	51	"	"	3·10	Elongated cast-iron common shell filled with sand and plugged.	93·062		3·8	1,430	—	"	1·7	—	
"	52	"	"	3·11		93·625		3·7	1,438	—	"	·3	—	
"	53	"	"	3·11		93·750		3·6	1,426	—	"	—	·3	
"	54	"	"	3·10		93·750		3·6	1,438	—	"	·3	—	
"	55	"	"	4·0		93·875		—	—	—	"	—	—	Shell broke up at muzzle of gun.
"	56	"	"	3·11		93·937		3·5	1,430	—	"	—	·3	
"	57	"	"	3·11		93·625		3·6	1,434	—	"	—	·1	
"	58	"	"	4·1		93·5		3·7	1,417	—	"	·5	—	
"	59	"	"	3·10		94·312		3·6	1,431	—	"	—	·7	
"	60	"	"	3·10		93·062		3·7	1,412	—	"	·7	—	

Elevation throughout by quadrant. The gun was laid at a target 6' × 6', distant 1,000 yards. The platform was observed to shake more than the one the shunt was mounted on. The loading with this gun, as noticed in previous Report, was somewhat easier than with the shunt.

Separate loading:—

Shell - - - -	Length - - - -	- - - -	- - - -	- - - -	- - - -	17·2 inches.
	Length of bearing - - - -	- - - -	- - - -	- - - -	- - - -	7·65 "
	Diameter of body - - - -	- - - -	- - - -	- - - -	- - - -	6·91 "
	Diameter of body and one stud - - - -	- - - -	- - - -	- - - -	- - - -	7·16 "
	Weight empty - - - -	- - - -	- - - -	- - - -	- - - -	93 lbs. 6 oz.
Diameter of two studs - - - -	Capacity - - - -	- - - -	- - - -	- - - -	- - - -	5·14 inches.
	Front - - - -	- - - -	- - - -	- - - -	- - - -	1·44 inches.
Cartridge, 20 lbs. charge - - - -	Rear - - - -	- - - -	- - - -	- - - -	- - - -	1·905 "
	Length - - - -	- - - -	- - - -	- - - -	- - - -	19·4 inches.
	Diameter - - - -	- - - -	- - - -	- - - -	- - - -	6·5 "

40 shells have been recovered,—

1 shell has one rear stud out.

1 shell has two out.

3 shells have three rear studs moved (slightly).

8 shells have two rear studs moved (slightly).

5 shells have one rear stud moved (slightly).

7 shells have two rear studs and one front slightly moved.

3 shells have one rear stud and one front slightly moved.

(signed) F. Eardley Wilmot, Colonel,
Comdt. and Supt.

ORDNANCE SELECT COMMITTEE.

O. S. C. Subject, No. $\frac{1929}{1705}$. W. O. Registry.
3

Committee Minute, No. 15,580, 22/5/65 ; 15,703, 5/6/65.

Report, No. 3785.

Brigadier General Lefroy, R. A.
Captain L. G. Heath, C. B., R. N.
Colonel Hogge, C. B., R. A.
Colonel Younghusband, R. A.
Lieutenant Colonel R. S. Baynes, Unatt.
Captain Heyman, R. A., *Secretary*.
Captain Haig, R. A., *Assistant Secretary*.

Subject:—Accuracy of Woolwich 7-inch Gun, hitherto called the French Gun.

With reference to Reports, Nos. 3575 and 3730.

COMMITTEE'S REPORT.—7 June 1865.

THE Committee have the honour to enclose for the information of the Secretary of State, an abstract of 20 rounds fired on the 18th May, from what is now called the Woolwich Gun, with common shells which had been fired before and re-studded.

The particular object of the experiment was to ascertain, if possible, whether the smaller stud, which in the French plan is situated behind, but in Major Palliser's plan, as tried in this Woolwich Gun, is placed in front, contributes to accuracy by assisting to rotate the shot, or only by preventing its oscillation in the bore. To test this, the smaller stud which was in front, and as intended by Major Palliser, ought to give rotation near the muzzle, was very much reduced in size, in the expectation that it would not touch the driving edge ; an examination of the shot after their recovery shows that this expectation was not realised, the smaller studs are all worn and evidently took the rifling. So far, therefore, the object of the experiment was not answered, but the practice is of some importance in support of the Committee's recent recommendation of this mode of rifling.

Minute, No. 15,580.

20 Shells, filled with Sand and Plugged, 100 lbs. Charge, 20 lbs.
Elevation, corrected, 5° 7'.

Mean Recoil.	Mean Time of Flight.	Ranges.			Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.
		Minimum.	Maximum.	Mean.			
<i>Feet.</i>	<i>Sec.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>	<i>Yds.</i>
3·0	7·36	2,648	2,727	2,700	13·8	11·3	2·1

The uniformity of this practice is remarkable, and has been but seldom exceeded. The following data may be compared with it; they are selected as some of the very best examples presented by the practice of the guns referred to, at ranges more or less comparable.

Minute.	Cal.	Rifling.	Pro- jectile.	Number of Rounds.	Mean Range.	Mean Difference of Range. <i>a</i>	Mean Reduced Deflection. <i>b</i>	Products. <i>a × b</i>	
13,753	Hy. 9·22 -	Shunt - - -		5	Yards. 2,809	Yards. 19·6	Yards. 0·4	Yards. 7·84	} Rounds not numerous enough for perfect comparison.
—	—	—		5	2,464	17·6	0·7	12·32	
9,058	64-pounder -	Shunt - - -		9	2,278	17·0	0·8	13·60	
13,081	—	—		10	2,146	12·1	1·2	14·52	} See above remark.
4,517	40-pounder -	Armstrong B. L. -		5	2,736	21·2	0·7	14·84	
13,837	7-inch -	„ „ -		20	3,473	11·6	2·4	27·84	
8,365	40-pounder -	„ „ -		20	2,030	19·2	1·4	26·88	} Reduced stud.
15,580	7-inch -	WOOLWICH -		20	2,700	13·8	2·1	28·98	
13,837	7-inch -	Armstrong B. L. -		10	3,468	11·8	2·5	29·50	
16,155	7-inch -	WOOLWICH -		20	2,729	33·6	1·0	33·60	} See above remark.
13,081	64-pounder -	Shunt - - -		10	2,103	21·1	1·7	35·87	
8,365	40-pounder -	Armstrong B. L. -		10	3,423	18·9	2·0	37·80	
12,730	—	—		10	2,121	28·0	1·4	39·20	} See above remark.
15,051	7-inch -	WOOLWICH -		10	2,668	17·0	2·4	40·80	
—	40-pounder -	Armstrong B. L. -		20	2,155	23·8	1·8	42·84	
13,837	7-inch -	„ „ -		20	3,516	16·4	2·7	44·28	} See above remark.
—	40-pounder -	„ „ -		20	3,672	19·5	2·3	44·85	
7,148	64-pounder -	Shunt - - -		10	2,478	19·3	2·4	46·32	
14,931	7-inch -	WOOLWICH -		20	2,490	33·8	1·4	47·32	} See above remark.
14,176	64-pounder -	Shunt - - -		10	2,318	27·3	1·8	49·14	
15,247	7-inch -	„ - - -		20	2,809	32·3	2·1	67·83	
14,931	7-inch -	Scott - - -		20	2,557	36·4	2·1	76·44	

The Committee do not desire to lay too great stress upon a single example of very good shooting; but as the merits of the Woolwich system of rifling are still under consideration, they beg to add the foregoing practice to the record.

The table is in other respects interesting, as contributing to establish a standard of accuracy. It may be observed that none of the competitive cast-iron guns tried in 1860-2 came nearly up to it.

(signed)

J. H. Lefroy,
Brigadier-General, R.A.,
President.

ORDNANCE SELECT COMMITTEE.

O. S. C. Subject, No. $\frac{1705}{3}$ W. O. Registry.

Committee Minute, No. 16,155, 21/7/65.—Report, No. 3844.

Brigadier General Lefroy, R.A.
Captain L. G. Heath, C.B., R.N.
Colonel Hogge, C.B., R.A.
Colonel Younghusband, R.A.
Colonel Freeling, R.E.
Lieutenant Colonel R. S. Baynes, Unatt.
Captain Heyman, R.A., *Secretary*.
Captain Haig, R.A., *Assistant Secretary*.

Subject :—7-inch Gun with Woolwich rifling, Expl. No. 200.

In continuation of former Reports, Nos. 3575, 3,730, and 3785.

COMMITTEE'S REPORT.—24 July 1865.

THE Committee have the honour to submit a further report of practice with the 7-inch Competitive Gun of 149 cwt., No. 200, in continuation of Report No. 3785. It was intended to determine the same point, viz., whether a reduction of the front studs to such a degree as should prevent their giving rotation to the shells, would interfere with the shooting.

On this occasion the reduction was effectual, the front studs on the recovered shells showing no symptoms of having touched the driving side of the groove.

The practice is very nearly as good as that reported* in June, and inclines the Committee to the conclusion that the use of those studs is to steady the shot in the bore, and not to rotate them.

* Report, No. 3785.

TABLE.—MIN. 16,155.

1929.—7-inch M.L. Wrought-iron (Competitive) Gun of 149 cwt., Woolwich rifling, Expl. No. 200.

Particulars of 20 Rounds fired in continuation of Minute 15,580, to test a further reduction in the size of the Leading Stud.

Shells, 100 lbs.; Charge, 20 lbs.; Average Recoil, 4 feet; Slope, 5¼°.

Powder,—Rifle L. G. W. A. 21/3/64. Lot 747.

D A T E.	Number of Rounds Fired.	Particulars of Projectile.	Elevation.	Time of Flight corres- ponding to Mean Range.	R A N G E S:			Mean Difference of Range.	Mean Observed Deflection.	Mean Reduced Deflection.
					Min.	Max.	Mean.			
1865 :		100 lbs.		Sec.	Yds.	Yds.	Yds.	Yds.	Yds.	Yds.
3 July - -	14	 - - - -	5° 7'	7·24	2,647	2,797	2,727	36·0	1·5	1·0
„ - -	6	 - - - -	5° 7'	7·25	2,702	2,804	2,734	32·3	1·6	1·2
	20	General Mean -	5° 7'	—	2,647	2,804	2,729	33·6	—	1·0

The leading studs of the first 14 shells were originally smaller than those first fired, and were still further reduced by filing, thus:—

Width of groove	- - - - -	2·02 inches.
1 Leading stud, 3d supply of competitive trial	- - - - -	1·47 „
2 Leading studs, experiment, Minute 15,580	- - - - -	1·28 „
3 Leading studs, present experiment	- - - - -	0·92 „
The driving stud is, in each case	- - - - -	1·92 „

The leading studs of the last 6 studs were of the first pattern, but were reduced to the same width as the remainder before this experiment. Thus the 20 form one series.

The recovered shells show that the small stud did not touch the driving edge of the groove.

(signed) J. H. Lefroy, Brigadier General, R. A.,
President.

EXPERIMENTAL PRACTICE continued with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System, Experimental No. 200.

Date.	Number of Round.	Charge.	Elevation.	Recoil, Dry Platform.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze or Burst.	Diff. of Range.	Deflection.			REMARKS.		
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.			
1865:		Lbs.	°	Feet.		Lbs.	Mean.		Yards.			Yards.	Yards.			
May 18	1	20	5	3·2	Elongated cast-iron shell.			7·3	2,681	-	Nil.	-	7·7			
"	2	"	"	3·3				7·4	2,710	-	"	-	8·1			
"	3	"	"	3·7				7·3	2,696	-	"	-	10·3			
"	4	"	"	Not observed.				7·3	2,719	-	"	-	9·7			
"	5	"	"	"				7·4	2,686	-	"	-	8·9			
"	6	"	"	"				7·3	2,685	-	"	-	9·1			
"	7	"	"	2·9				7·4	2,698	-	"	-	8·9			
"	8	"	"	2·11				7·3	2,691	-	"	-	12·5			
"	9	"	"	3·0				Not observed.	2,719	-	"	-	9·5			
"	10	"	"	3·1				100·0	·09	"	2,727	-	"	-	14·1	Wind changed.
"	11	"	"	3·1				7·3	2,696	-	"	-	11·5			
"	12	"	"	3·0				7·4	2,719	-	"	-	13·9			
"	13	"	"	3·0				7·4	2,712	-	"	-	15·3			
"	14	"	"	2·9				7·4	2,716	-	"	-	8·9	Wind changed.		
"	15	"	"	2·9				Not observed.	2,648	-	"	-	11·5			
"	16	"	"	2·11				"	2,704	-	"	-	13·9			
"	17	"	"	3·0				7·4	2,695	-	"	-	10·9		Wind changed.	
"	18	"	"	3·0				Not observed.	2,687	-	"	-	15·5			
"	19	"	"	3·3				"	2,706	-	"	-	13·7			
"	20	"	"	3·1				7·4	2,706	-	"	-	12·3			

Elevation by quadrant. The gun was laid at a target 6' × 6', distant 1,000 yards.

The shells were filled with sand and plugged.

On examination of the shells after being recovered, the front stud was found in every instance to have been worn away on the driving side, showing that it had come into bearing.

It would be as well perhaps to repeat the experiment with about ¼ of the front stud on the driving side cut completely away.

Cartridge	-	-	{ Length, including wad - - - - - 19·4 inches.									
			{ Diameter - - - - - 6·5 "									
Shell	-	-	{	Length - - - - - 17·2 "								
				Ditto of bearing - - - - - 7·56 "								
				Diameter of body - - - - - 6·91 "								
				Ditto ditto and 1 stud - - - - - 7·16 "								
				Ditto of front stud - - - - - 1·25 "								
			{	Ditto of rear stud - - - - - 1·9 "								

(signed) F. Eardley Wilmot, Colonel, Commandt. and Supt.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Gun, Rifled on the French System—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil, Dry Platform.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze or Burst.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1865 :		Lbs.	°	Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
July 3	1	20	5	Average 4 feet.	Shell with reduced studs.	100·0	·09	7·3	2,778	-	Nil.	1·5	-	Wind, 2.
"	2	"	"					7·0	2,797	-	"	3·3	-	
"	3	"	"					7·3	2,698	-	"	·7	-	
"	4	"	"					7·3	2,738	-	"	1·3	-	
"	5	"	"					Not observed.	2,750	-	"	·7	-	
"	6	"	"					7·3	2,794	-	"	-	·5	
"	7	"	"					Not observed.	2,695	-	"	1·1	-	
"	8	"	"					7·3	2,695	-	"	-	1·9	
"	9	"	"					7·4	2,713	-	"	1·1	-	
"	10	"	"					7·2	2,717	-	"	1·3	-	
"	11	"	"					Not observed.	2,758	-	"	2·1	-	
"	12	"	"					7·2	2,679	-	"	3·9	-	
"	13	"	"					Not observed.	2,647	-	"	·9	-	
"	14	"	"		Shell with old studs.			7·3	2,721	-	"	·1	-	
"	15	"	"					7·3	2,708	-	"	·7	-	
"	16	"	"					7·2	2,714	-	"	2·3	-	
"	17	"	"					7·2	2,714	-	"	3·7	-	
"	18	"	"					7·3	2,804	-	"	-	1·5	
"	19	"	"					Not observed.	2,702	-	"	·7	-	
"	20	"	"					Not observed.	2,760	-	"	·9	-	

Elevation by quadrant. The gun was laid at a target 6' × 6', distant 1,000 yards.

The shells were filled with sand, and plugged.

Cartridge	-	-	{ Length, including wad - - - - - 19·4 inches.									
			{ Diameter - - - - - 6·5 "									
Shell	-	-	{ Length - - - - - 17·2 "									
			{ Ditto, of bearing - - - - - 7·56 "									
			{ Diameter of body - - - - - 6·91 "									
			{ Ditto ditto and 1 stud - - - - - 7·16 "									
			{ Ditto of front stud - - - - - 1·22 × 0·93									
			{ Ditto of rear stud - - - - - 1·9 "									

The small stud had a portion about 3' 8" on its driving side cut away. The recovered shells shew that the small stud did not touch the driving edge of the groove.

Note.—For the first 14 shells the small stud had been reduced in diameter at the Royal Arsenal—*vide* Report of Practice, dated 18th May 1865. The last 6 had the stud of its original size.

(signed) F. Eardley Wilmot, Colonel,
Commandt. and Supt.

ORDNANCE SELECT COMMITTEE.

O. S. C. subject, No. 1929. W. O. Registry, 80—G. N.—819.

Committee Minute, No. 16,111-17-7-65. Report, No. 3841.

Brigadier General Lefroy, R. A.
Captain L. G. Heath, C. B., R. N.
Colonel Hogge, C. B., R. A.
Colonel Younghusband, R. A.
Colonel Freeling, R. E.
Lieutenant Colonel R. S. Baynes, Unatt.
Captain Heyman, R. A., Secretary.
Captain Haig, R. A., Assistant Secretary.

Subject :—7-inch M. L. wrought-iron (Competitive) Guns, rifled on different systems. Question as to whether studs on projectiles are loosened by corrosive action of salt water.

With reference to Reports, No. 3575, on Minute 13,652.
„ 3730, „ 15,137.

COMMITTEE'S REPORT.—21 July 1865.

THE Committee have the honour to report that in the course of the trials of the competitive 7-inch M. L. wrought-iron guns rifled upon different systems, a question arose having reference to the relative serviceability of the projectiles of the different systems, viz., whether the studs of such projectiles as required them, for example, on the shunt or Woolwich systems, would become loosened by the corrosive action of salt water, which cannot at all times be kept from them in the naval service.

With a view to determine this point, the Committee forwarded three shot fitted with studs, which had been recovered from the range at Shoeburyness, to the Chemist to the War Department, who submitted them to the following severe trial.

trial. The lacquer was first removed from the lower portion of the projectiles, and they were then alternately immersed in salt water, and exposed to the air for three days at a time, for a period of two months, after which they were exposed to the air for about a month.

At the end of this trial no indication whatever was to be found of any of the studs having become at all loosened.

The Committee think that this result fully proves the serviceability of studded shot for sea service, and their freedom from any special liability to deterioration by being kept in store ; and considering the circumstances of the trial, they are of opinion that shot of uniform exterior, such as those of Whitworth or Lancaster, are likely to have no advantages over studded shot as regards their resistance to the action of salt water.

(signed) *J. H. Lefroy*,
Brigadier General, R.A.,
President.

REPORTS of EXPERIMENTAL PRACTICE, with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle.

Height of Axis of Gun above Plain, 17½ feet.

Ordinance - { Weight, 149 cwt. 0 qrs. 1 lb.
Length, 11 feet.
Diameter of bore, 7.0 inches.
Spiral, 1 turn in 42 calibres.
Grooves, No. 5. Width, .72 inches. Depth, .12 inches.

Wind, S. E. 3.
Direction of Wind.



CAST-IRON SOLID SHOT.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
July 12	1	25	10	7.3		108.437		14.8	4,685	-	Nil	-	88.	
"	2	"	"	7.3		108.562		Not observed.	4,690	-	"	-	31.	Shot of the 1st supply.
"	3	"	"	7.3		108.687		14.9	4,701	-	"	-	102.	
"	4	"	"	7.2		108.750		14.8	4,643	-	"	-	114.	
"	5	"	"	7.0		109.187		15.4	4,756	-	"	-	68.	
July 13	6	"	5	7.3		108.125		8.0	2,825	-	"	-	19.	Rounds 6 to 15 were shot of 1st supply.
"	7	"	"	7.2		108.937		7.8	2,788	-	"	-	30.4	
"	8	"	"	7.7		109.187		7.8	2,842	-	"	-	22.6	
"	9	"	"	7.3		109.5		7.6	2,747	-	"	-	27.	
"	10	"	"	7.4		108.187		8.0	2,838	-	"	-	21.	
"	11	"	"	7.3		109.062		8.0	2,796	-	"	-	29.2	
"	12	"	"	8.2		109.125		8.0	2,887	-	"	-	27.	Wind changed.
"	13	"	"	7.7		109.375		7.9	2,856	-	"	-	26.6	
"	14	"	"	7.6		108.687		8.1	2,896	-	"	-	23.	
"	15	"	"	7.9		109.750		7.8	2,861	-	"	-	19.8	
"	16	"	"	7.6		Not weighed.		8.0	2,787	-	"	-	24.	An extra shot having zinc on bearing side of crown.
"	17	12	0	5.2		108.687								Brand of Powder, L. G. W. A. A. 4 14/11/63. Lot 670.
"	18	"	"	5.0	Elongated cast-iron shot, Diameter, 6.929 inches.	108.937		Fired for initial velocity.						
"	19	"	"	4.11		109.125	.071	-	-	-	-	-	-	Shot of 1st supply.
"	20	"	0	5.6		109.0		-	-	-	Nil.	-	-	Shot of 1st supply.
"	21	"	"	5.9		108.375		-	-	-	"	-	-	
"	22	20	"	8.10		109.0		-	-	-	"	-	-	
"	23	"	"	8.9		108.062		-	-	-	"	-	-	
"	24	"	"	7.9		108.5		-	-	-	"	-	-	
"	25	"	"	8.7		109.062		-	-	-	"	-	-	
"	26	"	"	7.9		109.0		-	-	-	"	-	-	
"	27	25	"	Dry. 8.3		108.0		-	-	-	"	-	-	Fired for initial velocity.
"	28	"	"	7.4		108.375		-	-	-	"	-	-	Brand of powder used with these five rounds L.G.W. A. A. 4. Lot. 599.
"	29	"	"	6.10		108.375		-	-	-	"	-	-	
"	30	"	"	6.10		108.437		-	-	-	"	-	-	
"	31	"	"	6.4		108.937		-	-	-	"	-	-	Lubricators with a dry sponge were used throughout on both days (12 and 13 July).
July 14	32	"	2	6.4		109.750		3.9	1,638	-	Nil.	5.2	-	
"	33	"	"	6.0		108.312		3.8	1,580	-	"	4.4	-	Brand of Powder, L. G. W. A. A. 4. Lot 599.
"	34	"	"	6.0		109.187		4.0	1,584	-	"	1.2	-	
"	35	"	"	6.3		109.0		4.0	1,606	-	"	1.2	-	Shot of 1st supply.
"	36	"	"	6.6		109.0		3.8	1,578	-	"	3.	-	
"	37	"	"	6.6		109.312		3.8	1,597	-	"	4.	-	Lubricators used with a dry sponge.
"	38	"	"	6.1		108.5		3.9	1,613	-	"	5.8	-	
"	39	"	"	6.3		108.375		3.9	1,622	-	"	3.4	-	



EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Correction Allowed for.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.					Left.	Right.		
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.		
July 14	40	25	2	6.2	Elongated cast-iron shot.	108.5		4.0	1,619	-	Nil	4.8	-	Shot of 1st supply.	
"	41	"	"	6.4		108.750		3.9	1,605	-	"	4.	-		
"	42	"	10	5.6		108.750		15.2	4,788	-	"	-	104.		
"	43	"	"	5.3		108.062		15.1	4,791	-	"	-	76.		
"	44	"	"	5.6		108.750		15.3	4,847	-	"	-	85.		
"	45	"	"	5.7		109.0		15.4	4,714	-	"	-	82.		
"	46	"	"	5.4		108.937		15.1	4,766	-	"	-	95.		
July 15	47	20	"	3.11		109.312		14.8	4,548	-	"	-	51.		Shot of 1st supply.
"	48	"	"	4.0		109.125		14.3	4,440	-	"	-	81.		
"	49	"	"	3.9		109.562		14.6	4,502	-	"	-	15.	Shot of 1st supply.	
"	50	"	"	3.9		108.750	.071	14.6	4,472	-	"	-	16.6		
"	51	"	"	3.9		108.437		13.0	4,313	-	"	23.	-		
"	52	"	"	3.9		108.457		15.0	4,553	-	"	-	45.		
"	53	"	"	4.0		108.957		13.9	4,327	-	"	33.4	-		
"	54	"	"	3.9		108.437		14.5	4,389	-	"	17.	-		
"	55	"	"	3.9		108.750		14.6	4,464	-	"	38.	-		
"	56	"	"	3.10		108.625		14.4	4,432	-	"	-	38.		
"	57	"	2	4.9		108.375		3.5	1,436	-	"	-	4.		
"	58	"	"	4.3		108.625		3.7	1,442	-	"	-	2.8		
"	59	"	"	4.8		108.5		3.7	1,473	-	"	-	3.6		
"	60	"	"	4.7		108.5		3.8	1,456	-	"	-	2.6		
"	61	"	"	4.9		108.562		3.8	1,496	-	"	-	5.		
"	62	"	"	5.0		109.250		3.6	1,438	-	"	-	4.2		
"	63	"	"	4.0		109.125		3.7	1,469	-	"	-	4.6		
"	64	"	"	4.4		108.812		3.6	1,437	-	"	-	3.		
"	65	"	"	4.2		108.812		3.8	1,516	-	"	-	2.		
"	66	"	"	4.7		109.062		3.7	1,454	-	"	-	5.		
A damp sponge was used. From this date to the end of the experiment, the use of the lubricant was discontinued. and the grummet wad, felt and cardboard (attached to the cartridge) used. Up to this stage of the experiment the gun was on platform with C. racer. Length of cartridge, 17.9 inches. Length of wad and grummet, 1.9 inch.															
July 26	67	20	5	5.9	Elongated cast-iron shot.	109.375		7.7	2,746	-	Nil	-	20.6	Shot of 1st supply.	
"	68	"	"	4.9		109.0		8.0	2,798	-	"	-	28.6		
"	69	"	"	5.6		108.812		7.8	2,700	-	"	-	22.6		
"	70	"	"	5.6		108.750		7.4	2,666	-	"	-	24.6		
"	71	"	"	5.2		109.312		7.7	2,738	-	"	-	16.8		
"	72	"	"	5.2		109.125		7.6	2,738	-	"	-	14.4		
"	73	"	"	5.3		109.187		7.5	2,700	-	"	-	20.2		
"	74	"	"	5.6		108.5		7.4	2,682	-	"	-	23.6		
"	75	"	"	5.3		108.625	.071	8.0	2,839	-	"	-	22.6		
"	76	"	"	5.3		109.312		7.8	2,806	-	"	-	17.		
"	77	"	10	4.10		108.937		14.4	4,554	-	"	-	4.6		
"	78	"	"	4.9		108.937		13.2	4,318	-	"	13.4	-		
"	79	"	"	5.0		109.437		13.7	4,403	-	"	-	6.6		
"	80	"	"	5.0		108.937		14.2	4,498	-	"	9.4	-		
"	81	"	"	5.2		108.062		13.7	4,425	-	"	-	2.6		
"	82	25	"	7.0		109.437		14.6	4,733	-	"	-	30.6		
"	83	"	"	7.7		108.937		15.2	4,914	-	"	-	40.6		
"	84	"	"	7.0		109.062		15.3	5,000	-	"	-	96.6		
"	85	"	"	7.5		109.187		15.6	4,900	-	"	-	61.6		
"	86	"	"	4.10		109.062		15.0	5,062	-	"	-	77.6		
Brand of Powder, L. G. W. A. A. 4. Lot 599.															

A damp sponge used. Length of cartridge, with 20 lbs. charge, 17 inches; length of cartridge, with 25 lbs. charge, 20 inches; length of wad and grummet, 1.9 inch. The loading bearings were filed down and slightly rounded off at the bottom (by request of Commander Scott); average taken off about 3-4ths of an oz. Gun on platform with A. racer. Slope 5°.

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.		
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.		
July 27	87	20	2	5.2	Elongated cast-iron shot.	108.37	.071	3.8	1,475	—	Nil	—	1.8	Shot of 1st supply.	
"	88	"	"	4.6		108.750		3.9	1,488	—	"	—	5.4		
"	89	"	"	5.1		108.750		3.9	1,506	—	"	—	5.4		
"	90	"	"	5.2		108.125		3.7	1,494	—	"	—	.2		
"	91	"	"	5.0		109.187		3.8	1,512	—	"	—	5.8	Powder L. G. W. A. A. 4. Lot 599.	
"	92	25	"	7.3		108.5		3.8	1,580	—	"	—	5.6		
"	93	"	"	7.3		109.5		3.8	1,516	—	"	—	5.6		
"	94	"	"	5.9		108.875		3.7	1,566	—	"	—	3.6		
"	95	"	"	7.6		108.312		Not observed.	1,550	—	"	—	3.6	Powder L. G. W. A. A. 4. 22/12/63. Lot 692.	
"	96	"	"	7.9		108.875		3.6	1,524	—	"	—	3.4		
"	97	20	5	5.2		108.187		7.9	2,838	—	"	—	3.6		
"	98	"	"	5.0		108.062		7.6	2,713	—	"	—	1.6		
"	99	"	"	5.10		109.187		8.0	2,835	—	"	—	9.8		
"	100	"	"	5.6		108.562		8.2	2,898	—	"	3.6	—		
"	101	"	"	4.9		108.5		7.8	2,764	—	"	—	5.8	Powder L. G. W. A. A. 4. Lot 599.	
"	102	25	"	7.6		108.312		8.2	2,997	—	"	—	8.2		
"	103	"	"	7.3		108.375		8.0	2,907	—	"	—	11.2		
"	104	"	"	7.6		109.187		8.0	2,960	—	"	—	10.6		
"	105	"	"	5.9	108.250	8.5	3,069	—	"	—	21.2				
"	106	"	"	6.6	108.375	8.3	3,039	—	"	—	8.8				
A damp sponge was used. From this date to the end of the experiment, the trucks were off the platform, and the platform placed on planks lashed to pickets, slope 6° 10'. Length of cartridge with 20 lbs. charge, 17.5 inches; ditto ditto, 25 lbs. charge, 20.0 inches; ditto ditto, 12 lbs. charge, 11.0 inches; ditto of wad and grummet, 1.9 inch.															
"	107	12	10	3.9	Elongated cast-iron shot.	108.562	.071	14.3	3,957	—	Nil	—	3	Powder L. G. W. A. A. 4. Lot 692.	
"	108	"	"	2.6		108.625		14.2	4,100	—	"	—	104.6		
"	109	"	"	2.4		108.125		12.8	3,858	—	"	39.4	—	To round 121, shot of 1st supply.	
"	110	"	"	2.3		108.5		12.3	3,686	—	"	16.4	—		
"	111	"	"	2.3		109.187		13.0	3,945	—	"	37.4	—		
"	112	"	5	2.5		108.937		6.7	2,252	—	"	—	.6		
"	113	"	"	3.0		108.625		6.6	2,234	—	"	—	1.2		
"	114	"	"	3.0		108.625		7.4	2,398	—	"	13.4	—		
"	115	"	"	2.9		108.250		6.8	2,297	—	"	—	1.6		
"	116	"	"	3.0		108.125		6.6	2,247	—	"	7	—		
"	117	"	2	2.11		109.0		3.6	1,226	—	"	—	2.6		
"	118	"	"	2.9		108.812		3.2	1,203	—	"	—	3.6		
"	119	"	"	2.8		109.125		3.4	1,230	—	"	—	3.8		
"	120	"	"	2.9		109.0		3.3	1,236	—	"	—	6.		
"	121	"	"	2.8		108.625		3.1	1,164	—	"	—	4.2		
Sept. 27	122	"	"	2.8		99.5		3.2	1,114	—	"	—	5.4		
"	123	"	"	2.8		99.375		3.1	1,122.4	—	"	—	4.		
"	124	"	"	2.6		99.312		3.0	1,112	—	"	—	6.2		
"	125	"	"	2.8	99.250	3.1	1,171	—	"	—	8.2	Shot of 3d supply (painted with two coats of paint).			
"	126	"	"	2.6	99.0	3.1	1,116	—	"	—	2.4				
"	127	"	"	2.8	99.250	3.4	1,211	—	"	—	6.4				
"	128	"	"	2.7	99.437	3.5	1,185	—	"	—	2.4				
"	129	"	"	2.7	99.0	3.3	1,237	—	"	—	6.6				
"	130	"	"	2.8	99.125	3.4	1,166	—	"	—	3.6				
"	131	"	"	2.8	99.437	3.2	1,198	—	"	—	4.				
"	132	"	"	2.8	99.250	3.3	1,196	—	"	—	1.8				
"	133	20	2	4.5	99.125	3.6	1,439	—	"	—	6.	Powder L. G. W. A. A. 4. Lot 599.			
"	134	"	"	4.3	99.312	3.6	1,372	—	"	—	7.				

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Dry. Feet.	Elongated cast-iron shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	Jammed slightly, 2 feet from end of bore.
Sept. 27	135	20	2	4.3		99.250		3.7	1,446	-	Nil	-	9.2	
"	136	"	"	4.4		98.937		3.5	1,406	-	"	-	7.8	
"	137	"	"	4.3		99.375		3.8	1,425	-	"	-	7.	
"	138	"	"	4.4		99.187		3.5	1,451	-	"	-	8.	
"	139	"	"	3.11		99.562		3.3	1,326	-	"	-	5.	
"	140	"	"	4.0		99.062		3.8	1,464	-	"	-	8.6	
"	141	"	"	4.0		99.875		3.6	1,410	-	"	-	6.	
"	142	"	"	4.0		99.562		3.6	1,418	-	"	-	8.	
"	143	25	"	5.6		99.187	.071	Not observed.	1,610	-	"	-	1.	
"	144	"	"	5.6		99.187		"	1,618	-	"	-	14.	
"	145	"	"	5.6		99.375		3.8	1,520	-	"	-	11.2	
"	146	"	"	5.2		99.125		4.2	1,674	-	"	-	3.8	
"	147	"	"	4.10		99.312		3.6	1,506	-	"	-	11.8	
"	148	"	"	5.0		99.062		3.6	1,438	-	"	-	7.8	
"	149	"	"	5.6		99.5		3.9	1,584	-	"	-	5.8	
"	150	"	"	5.0		99.250		3.8	1,545	-	"	-	5.6	
"	151	"	"	5.2		99.125		4.0	1,666	-	"	-	5.4	
"	152	"	"	5.0		98.875		3.6	1,486	-	"	-	5.	
A dry sponge used. Shot of 3d supply (painted with two coats of paint). The gun from this day (27th September) was on the platform with 6° 35' slope, until the 12th October inclusive.														
Sept. 28	153	12	10	2.3	Elongated cast-iron shot.	98.875		12.1	3,590	-	Nil	-	61.	Shot painted with two coats of paint.  Shot that have been exposed on the beach 10 days. Shot that have been exposed on the beach for 10 days. Powder. L. G. W. A. A. 4. Lot 599. Painted shot. Shot that have been exposed on the beach. Wind changed. Painted shot. Shot that have been exposed on the beach.
"	154	"	"	2.4		99.125		12.4	3,691	-	"	-	72.	
"	155	"	"	2.3		99.187		12.2	3,684	-	"	-	63.	
"	156	"	"	2.0		99.0		12.5	3,783	-	"	-	62.	
"	157	"	"	2.3		98.937		12.4	3,727	-	"	-	57.	
"	158	"	"	2.3		99.250		12.1	3,725	-	"	-	21.	
"	159	"	"	2.3		99.250		12.7	3,714	-	"	-	15.6	
"	160	"	"	2.0		99.0		12.1	3,727	-	"	-	63.	
"	161	"	"	2.3		99.187		12.9	3,832	-	"	-	59.	
"	162	"	"	2.3		99.375		12.0	3,652	-	"	-	44.	
"	163	20	"	3.9		99.0		13.4	4,244	-	"	-	71.	
"	164	"	"	3.8		99.125		13.2	4,143	-	"	-	34.	
"	165	"	"	3.8		99.0		13.6	4,243	-	"	-	16.	
"	166	"	"	3.8		99.0		13.4	4,196	-	"	-	55.	
"	167	"	"	3.6		99.187		13.2	4,186	-	"	-	7.6	
"	168	"	"	3.9		99.250	.071	13.7	4,291	-	"	-	12.6	
"	169	"	"	3.6		99.375		13.5	4,204	-	"	-	79.	
"	170	"	"	3.8		99.5		13.5	4,259	-	"	-	35.	
"	171	"	"	3.9		99.187		13.8	4,327	-	"	-	71.	
"	172	"	"	3.6		99.187		13.8	4,298	-	"	-	88.	
"	173	25	"	4.7		99.187		13.8	4,374	-	"	-	47.	
"	174	"	"	4.8		99.0		Not observed.	4,504	-	"	-	29.	
"	175	"	"	4.7		99.062		13.9	4,455	-	"	-	48.	
"	176	"	"	4.6		99.0		14.1	4,496	-	"	-	50.	
"	177	"	"	4.6		99.0		13.6	4,344	-	"	-	75.	
"	178	"	"	4.6		99.250		14.2	4,439	-	"	-	20.	
"	179	"	"	5.3		99.375		13.9	4,394	-	"	-	55.	
"	180	"	"	4.9		99.312		14.2	4,472	-	"	-	21.	
"	181	"	"	4.9		99.187		13.9	4,423	-	"	-	25.	
"	182	"	"	4.8		99.125		Not observed.	4,608	-	"	-	24.	

A dry sponge was used for the first 15 rounds, and a damp one for the last 15.

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.		
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.	
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.		
Sept. 29	183	20	5	4.5	Elongated cast iron shot.	100.687	.071	7.2	2,580	-	Nil	-	7.0	Broke in gun.	
"	184	"	"	4.3		100.250		7.7	2,690	-	"	-	6.0		
"	185	"	"	4.0		100.375		7.6	2,625	-	"	-	11.0		
"	186	"	"	4.2		100.812		7.6	2,696	-	"	-	14.0		
"	187	"	"	4.3		100.375		7.6	2,730	-	"	-	14.0		
"	188	"	"	4.1		100.312		7.5	2,666	-	"	-	6.0		
"	189	"	"	4.1		100.5		-	-	-	"	-	-		
"	190	"	"	4.2		100.625		7.3	2,604	-	"	-	8.0		
"	191	"	"	4.0		100.187		7.7	2,710	-	"	-	11.0		
"	192	"	"	4.4		100.625		7.7	2,758	-	"	-	11.2		
"	193	"	"	3.11		100.312		7.3	2,602	-	"	-	6.8		
"	194	"	"	4.0		100.562		7.3	2,600	-	"	-	13.0		
"	195	"	"	4.2		100.812		-	-	-	"	-	-		
"	196	"	"	Not observed		100.750		-	-	-	"	-	-		
"	197	"	"	3.11	100.250	7.7	2,696	-	"	-	12.0	Wind changed.			
"	198	"	"	4.0	100.562	7.9	2,780	-	"	-	16.0	Broke in gun.			
"	199	"	"	3.11	100.5	8.0	2,670	-	"	-	23.0				
"	200	"	"	3.9	100.187	7.7	2,659	-	"	-	17.0				
"	201	"	"	3.10	100.625	-	-	-	"	-	-				
"	202	"	"	3.10	100.125	7.6	2,677	-	"	-	22.0				
A damp sponge used. The shot used this day were of the second supply, hollowed out, and plugged at the base. Length of cartridge 15.5 inches; length of wad and grummet 1.9 inch.															
Oct. 6	203	12	5	2.8	Elongated cast iron shot.	98.625	.071	7.0	2,283	-	Nil	Feet. -	Feet. 51.0	The whole of the shot used this day had been exposed on the beach for 10 days.	
"	204	"	"	2.6		99.625		6.8	2,221.4	-	"	-	3.0		
"	205	"	"	2.6		99.062		7.1	2,251	-	"	-	20.0		
"	206	"	"	2.6		99.125		7.1	2,326	-	"	-	9.0		
"	207	"	"	2.5		99.187		6.6	2,187.6	-	"	-	19.5		
"	208	"	"	2.2		99.312		6.5	2,031	-	"	5	-		
"	209	"	"	2.4		99.187		6.8	2,164	-	"	-	33.5		
"	210	"	"	2.2		98.437		6.6	2,120	-	"	-	33.0		
"	211	"	"	2.4		99.187		7.0	2,236	-	"	-	30.0		
"	212	"	"	2.2		99.062		7.1	2,192	-	"	-	27.0		
"	213	20	"	3.9		99.187		7.7	2,671	-	"	-	18.0		
"	214	"	"	4.5		99.0		Not observed	2,707.8	-	"	-	45.0		
"	215	"	"	4.1		99.375		7.7	2,593	-	"	-	48.0		The whole of the shot used this day have been exposed on the beach for 10 days.
"	216	"	"	4.1		99.375		7.8	2,641	-	"	-	44.5		
"	217	"	"	3.10		98.750		7.6	2,570	-	"	-	22.75		
"	218	"	"	3.8		99.0		7.6	2,660.6	-	"	-	38.5		
"	219	"	"	3.7		99.187		7.5	2,620.4	-	"	-	41.5		
"	220	"	"	3.6		99.250		7.5	2,614	-	"	-	32.5		
"	221	"	"	3.6		99.250		7.5	2,636	-	"	-	45.0		
"	222	"	"	4.0		99.375		7.8	2,634	-	"	-	40.0		
"	223	25	"	4.8	99.312	8.1	2,813.6	-	"	-	90.5				
"	224	"	"	5.0	98.687	7.5	2,698	-	"	-	57.0				
"	225	"	"	4.9	99.312	7.7	2,731	-	"	-	80.0				
"	226	"	"	4.9	99.5	8.4	2,940	-	"	-	52.0				
"	227	"	"	5.3	99.125	8.0	2,846.6	-	"	-	58.0				
"	228	"	"	4.11	98.5	7.8	2,847	-	"	-	60.0				
"	229	"	"	4.8	98.875	Not observed	2,754.6	-	"	-	53.0				
"	230	"	"	4.9	99.187	7.8	2,798.6	-	"	-	48.0				
"	231	"	"	4.9	99.5	7.8	2,808	-	"	-	73.0				
"	232	"	"	4.7	99.687	7.6	2,689.2	-	"	-	56.0				

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.				
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.					
1864:		Lbs.	0	Dry. Feet.		Lbs. Mean.	Mean.	"	Yards.			Yards.	Yards.					
Oct. 11	284	20	2	1'9	Round shot.	44'312	115	3'3	1,391	-	Nil	-	12'	Wind increased to 5.				
"	285	"	"	1'9				3'9	1,540	-	"	-	17'					
"	286	"	"	1'11				4'0	1,579	-	"	-	4'					
"	287	"	"	1'10				4'3	1,673	-	"	2'	-					
"	288	12	5	1'0				6'9	2,168	-	"	-	29'6					
"	289	"	"	1'0				7'0	2,170	-	"	6'8	-					
"	290	"	"	1'0				7'3	2,231	-	"	-	35'					
"	291	"	"	1'0				8'2	2,470	-	"	-	15'6					
"	292	"	"	1'0				6'5	2,029	-	"	-	11'8					
"	293	"	"	1'0				8'6	2,450	-	"	33'6	-					
"	294	"	"	1'0				8'0	2,376	-	"	18'	-					
"	295	"	"	1'0				7'9	2,342'6	-	"	-	54'2					
"	296	"	"	1'0				7'4	2,242	-	"	-	49'					
"	297	"	"	1'0				7'1	2,152	-	"	12'	-					
"	298	20	"	1'6				Not observed	2,156	-	"	-	49'6					
"	299	"	"	1'6				6'8	2,282	-	"	-	26'8					
"	300	"	"	1'6				7'1	2,315	-	"	-	38'4					
"	301	"	"	1'6				Not observed	2,198	-	"	-	9'					
"	302	"	"	1'6				ditto	2,417	-	"	-	56'6					
A damp sponge used, no wads. Round shot, with wood bottoms.																		
Oct. 12	303	12	5	1'0	Round shot. Diameter 6'885 inches.	43'375	115	6'2	1,975	-	Nil	-	25'6	Round shot, without wood bottoms. A damp sponge used, with grummet wad. Felt and cardboard attached to cartridge.				
"	304	"	"	1'0				7'2	2,178	-	"	-	14'4					
"	305	"	"	1'0				7'4	2,204	-	"	-	20'2					
"	306	"	"	1'0				7'7	2,287	-	"	-	16'2					
"	307	"	"	1'0				Not observed	2,115	-	"	-	8'2					
"	308	"	"	1'0				7'5	2,245	-	"	-	33'					
"	309	"	"	1'0				6'3	1,959	-	"	-	6'8					
"	310	"	"	1'0				6'5	2,025	-	"	-	42'4					
"	311	"	"	1'0				7'2	2,189	-	"	-	4'6					
"	312	"	"	1'0				7'2	2,225	-	"	-	30'4					
Oct. 13	313	"	2	1'2				Round shot. Diameter 6'885 inches.	43'375	115	3'5	1,361	-		"	-	24'4	Recovered shot, a grummet wad was placed in front of the cartridge, and one in front of the shot.
"	314	"	"	1'3							3'1	1,170	-		"	-	8'6	
"	315	"	"	1'2	3'8	1,353	-				"	-	12'					
"	316	"	"	1'0	3'9	1,409	-				"	-	9'					
"	317	"	"	1'0	3'4	1,251	-				"	-	10'2					
"	318	"	"	1'0	3'4	1,255	-				"	-	10'6					
"	319	"	"	1'1	3'4	1,238	-				"	-	9'					
"	320	"	"	1'0	3'5	1,300	-				"	-	3'4					
"	321	"	"	1'0	3'3	1,200	-				"	-	1'					
"	322	"	"	1'0	3'3	1,225	-				"	1'4	-					
"	323	20	"	1'7	3'8	Not found.	-				"	Not found	-					
"	324	"	"	1'8	4'0	1,513	-				"	4'6	-					
"	325	"	"	1'7	4'2	1,598	-				"	-	12'4					
"	326	"	"	1'9	3'8	1,461	-				"	-	4'4					
"	327	"	"	1'9	3'9	Not found.	-				"	Not found	-					
"	328	"	"	1'6	3'9	1,503	-				"	-	20'4					
"	329	"	"	1'6	4'2	1,532	-				"	6'2	-					

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Oct. 13	330	20	2	1.6	Round shot.	43.375	115	3.6	1,421	-	Nil	-	15.4	Recovered shot as above, grummet wad with felt and cardboard attached to cart- ridge, and a grummet in front of the shot.
"	331	"	"	1.8				3.3	1,428	-	"	-	6.	
"	332	"	"	1.7				3.8	1,468	-	"	-	5.4	
"	333	"	5	1.8				7.2	2,334	-	"	-	50.8	
"	334	"	"	1.6				7.3	2,363	-	"	-	59.	
"	335	"	"	1.6				6.8	2,235	-	"	-	14.	
"	336	"	"	1.6				7.1	2,242	-	"	9	-	
"	337	"	"	1.6				6.7	2,216	-	"	-	25.4	
A damp sponge used. Gun on platform with slope of 6° 39'.														
Oct 20	338	20	2	3.8	Elongated cast iron shot.	100.187	0.71	3.6	1,454.6	-	Nil	-	1.8	Shot of 2d supply hol- lowed out and plugged at the base. No wads used. Simultaneous loading.
"	339	"	"	3.6		100.5		4.0	1,563	-	"	2.2	-	
"	340	"	"	3.5		100.562		3.6	1,472	-	"	-	4.	
"	341	"	"	3.4		100.562		3.6	1,430.6	-	"	-	2.	
"	342	"	"	3.4		100.437		3.9	1,501.4	-	"	-	4.6	
"	343	"	"	3.3		100.375		3.4	1,404.2	-	"	-	7.2	
"	344	"	"	3.3		100.375		3.5	1,371	-	"	-	5.2	
"	345	"	"	3.0		100.937		3.3	1,343	-	"	-	1.	
"	346	"	"	3.6		100.562		3.7	1,477	-	"	-	5.6	
"	347	"	"	3.1		100.751		3.6	1,405.4	-	"	-	5.8	
"	348	"	5	3.0		100.0		7.8	2,807	-	"	-	2.	
"	349	"	"	3.0		100.437		8.2	2,889	-	"	-	12.	
"	350	"	"	3.0		100.625		7.7	2,839.8	-	"	-	1.2	
"	351	"	"	2.10		100.187		8.0	2,831.6	-	"	-	7.	
"	352	"	"	3.0		100.250		7.5	2,698	-	"	-	13.	
"	353	"	"	3.0		100.937		7.8	2,826	-	"	-	12.4	
"	354	"	"	3.0		100.812		8.1	2,950	-	"	-	8.2	
"	355	"	"	3.0		100.187		7.6	2,801.6	-	"	-	10.	
"	356	"	"	3.3		100.187		Not observed	2,897	-	"	-	21.6	
"	*357	"	"	2.0		100.187		ditto	2,800.2	-	"	-	4.4	
A damp sponge used. End of the practice with solid shot.														

A damp sponge used.
End of the practice with solid shot.

General Remarks.

Elevation throughout by tangent. The gun was laid at the top of a target 6' × 6', thus:

On the 12th July - - - - at 2,000 yards' distance.
 " 13th " - - - - ditto.
 " 14th " - - - - at 1,000 and 2,000 yards' distance.
 " 15th " - - - - at 2,000 yards.
 " 26th and following days - at 1,000 yards' distance.

The actual calibre of the gun is 6.996 inches, but the windage has been calculated as if the gun was 7.0 inches. The gun was examined and an impression of the vent taken at the following stages of the experiment, viz., after the 46th round, and after the 337th round.

The elongated cast-iron projectiles used with this gun were of the following description, viz.:—

Shot of 1st supply - - - { Solid, length 12.24 inches, five iron ribs 9.5 inches long, with three small copper studs along bearing side of ribs, the first stud .9 inches from the base, the second 4 inches from the first, and the third 3 inches from the second.

Shot of 2nd supply - - - { Hollow, same length as those of 1st supply, reduced to 100 lbs. weight by boring out at base, and plugged, zinc bearings on ribs $9\frac{1}{2}'' \times 2''$.

Shot of 3d supply - - - Solid, length 11.37 inches, zinc bearings on ribs $8\frac{1}{2}'' \times 2$ inches.

No difficulty occurred in loading, only Nos. 2 and 3 were employed to ram home. The wood bottoms of the round shot had to be reduced in diameter, being too high. The shot that had been exposed on the beach at low-water mark for ten days were no very much rusted in consequence.

* An extra shot fired; see 16th round of the experiment.

(signed) F. Eardley Wilmot, Colonel,
Commandant and Superintendent.

EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

PLUGGED COMMON SHELLS.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Range.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	o	Dry.		*Empty.		"	Yards.			Yards.	Yards.	
8 Mar.	1	20	2	Not observed		93·437		3·5	1,414	—	Nil	—	5·8	Bore examined
														Flaw. - { 1·77 1·56
21 Mar.	2	"	"	4·6		93·562		3·7	1,364	—	"	—	3·4	
"	3	"	"	4·5		93·687		3·3	1,391	—	"	—	3·	
"	4	"	"	4·3		93·750		3·5	1,382	—	"	—	3·	
"	5	"	"	4·8		93·312		3·3	1,382	—	"	—	1·2	
"	6	"	"	4·6		93·437		3·5	1,362	—	"	—	5·6	
"	7	"	"	4·9		93·375		3·6	1,400	—	"	—	2·6	
"	8	"	"	5·0		93·687		3·6	1,401	—	"	—	4·	
"	9	"	"	4·9		93·937		3·7	1,406	—	"	—	3·6	
"	10	"	"	4·6		93·437		3·4	1,370	—	"	—	2·	Bore examined
"	11	"	"	5·0		93·625		Not observed	1,379	—	"	—	5·8	- { 2·02 1·72
"	12	"	"	4·9		93·5		3·2	1,356	—	"	—	4·6	
"	13	"	"	5·3		93·687		3·4	1,412	—	"	—	5·2	
"	14	"	"	5·0		93·5		3·4	1,376	—	"	—	2·6	
"	15	"	"	5·0		93·625		3·5	1,371	—	"	—	2·8	
"	16	"	"	5·0		93·625		3·4	1,356	—	"	—	3·8	Bore examined
"	17	"	"	5·0		93·812		3·3	1,386	—	"	—	5·6	- { 2·65 2·30
"	18	"	"	5·0		93·437		3·4	1,391	—	"	—	4·8	
"	19	"	"	5·0		93·625		3·4	1,353	—	"	—	4·6	
"	20	"	"	5·0		93·562	·09	3·6	1,368	—	"	—	3·	Bore examined
														- { 2·65 2·35
"	21	"	5	5·0		93·625		7·1	2,533	—	"	—	16·6	
"	22	"	"	5·0		93·562		7·2	2,548	—	"	—	12·6	
"	23	"	"	5·0		94·625		7·2	2,544	—	"	—	17·4	
"	24	"	"	4·6		92·937		7·2	2,492	—	"	—	14·4	Bore examined
"	25	"	"	5·0		93·687		7·4	2,567	—	"	—	18·2	- { 2·7 2·38
"	26	"	"	5·0		93·812		7·1	2,487	—	"	—	17·	
"	27	"	"	4·9		93·875		7·1	2,518	—	"	—	15·8	
"	28	"	"	4·9		94·5		7·3	2,563	—	"	—	14·4	
8 Mar.	29	"	"	5·0		93·812		7·2	2,597	—	"	—	19·2	
"	30	"	"	5·0		93·5		7·0	2,594	—	"	—	20·	
"	31	"	"	4·9		93·375		7·4	2,591	—	"	—	18·8	
"	32	"	"	4·9		93·812		7·4	2,543	—	"	—	18·4	
"	33	"	"	5·0		98·5		7·2	2,539	—	"	—	15·2	
"	34	"	"	4·9		95·875		7·2	2,517	—	"	—	16·4	
"	35	"	"	4·9		93·562		7·0	2,508	—	"	—	16·	Bore examined.
"	36	"	"	4·9		93·750		7·3	2,602	—	"	—	18·2	
"	37	"	"	5·0		93·750		7·2	2,530	—	"	—	19·	Wind changed.
"	38	"	"	5·0		93·250		7·2	2,631	—	"	—	23·4	
"	39	"	"	4·9		93·687		7·4	2,600	—	"	—	18·2	
"	40	"	"	5·0		95·625		7·4	2,629	—	"	—	19·4	Bore examined.

* Vide remark on page 44.

REPORT OF THE ORDNANCE SELECT COMMITTEE

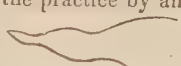
EXPERIMENTAL PRACTICE with a 7-inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1865 :		Lbs.	°	Dry Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 22	41	20	10	5.6	Elongated cast iron common shell.	93.750		Not observed	4,244	-	Nil	-	79.	Wind in slight gusts, with
"	42	"	"	4.9		93.812		12.6	4,140	-	"	-	76.	snow.
"	43	"	"	4.8		93.812		12.6	4,118	-	"	-	80.	
"	44	"	"	Not observed		93.5		12.7	4,193	-	"	-	86.	
"	45	"	"	4.6		93.5		13.0	4,146	-	"	-	67.	Bore examined { 2.80 inches
"	46	"	"	4.8		94.0		12.6	4,139	-	"	-	75.6	2.50 "
"	47	"	"	Not observed		93.875		12.6	4,119	-	"	-	73.	
"	48	"	"	4.6		94.875		13.0	4,202	-	"	-	72.	
"	49	"	"	4.6		94.187	.09	12.7	4,190	-	"	-	84.	
"	50	"	"	4.9		94.0		12.6	4,104	-	"	-	81.	Bore examined { 2.8 inches.
"	51	"	"	Not observed		93.625		Not observed	4,110	-	"	-	79.6	2.5 "
"	52	"	"	ditto		93.687		12.9	4,152	-	"	-	71.	Wind 3, Brand of Powder, Rifle L.G.W.A. 25/2/64. Lot 732.
"	53	"	"	ditto		92.750		12.7	4,136	-	"	-	72.	
"	54	"	"	ditto		93.875		12.8	4,200	-	"	-	73.	Wind 4 to 5.
"	55	"	"	ditto		93.312		12.8	4,153	-	"	-	74.	
"	56	"	"	ditto		93.812		13.0	4,106	-	"	-	74.	
"	57	"	"	4.3	93.937		12.8	4,056	-	"	-	78.	Wind in gusts.	
"	58	"	"	Not observed	93.437		Not observed	4,128	-	"	-	91.		
"	59	"	"	ditto	93.625		ditto	4,189	-	"	-	97.	Not snowing.	
"	60	"	"	ditto	93.562		ditto	4,122	-	"	-	104.		

Elevation throughout by quadrant. Gun laid at a target, 6 ft. by 6 ft., distant 1,000 yards. The gun was mounted on a garrison sliding carriage, on a wood traversing platform; slope, 5° 30'. C. racer. No compressors used. Dry sponge used throughout. The cartridge and shell were sent home separately.

No difficulty occurred in loading with the shell; the Nos. 2 and 3 were changed after each 10 rounds, so that the same men loaded each gun a certain number of rounds; from their statements, and from observation, it appeared that the guns stood in the following order with regard to ease in loading, viz. :—

French	-	-	-	-	-	-	-	First (easiest).
Scott	-	-	-	-	-	-	-	Second.
Lancaster	-	-	-	-	-	-	-	Third.

The flaw in the end of the bore was frequently examined during the practice by an examiner of ordnance; the flaw is in the axis of the gun, at the end of the bore, and is of the following shape . It increased during the practice, and,

at the end, had gone through the A tube; at the close of the practice the vent bush projected into the bore 1.0 inch.

The felt wads and grumets were too high, and occasioned great difficulty in loading with them.

The shells were all washed free from dirt before loading; they were painted and fired filled, having been weighted up to 100 lbs. each by means of sand, and plugged.

The shells will contain 5.437 lbs. of bursting powder.

The shells in rounds, 1 to 20	-	-	-	-	-	had a Moorsom fuze hole.
Ditto	-	-	-	-	-	had a F. S. Rifle shell, ditto.
Ditto	-	-	-	-	-	had a L. S. Spherical Com. Shell, ditto.

Shell	Length	-	-	-	-	-	15.12 inches.
	Length of bearing	-	-	-	-	-	12.0 "
	Diameter of body	-	-	-	-	-	6.91 "
	Diameter of body and one rib	-	-	-	-	-	7.05 "

The shells have two brass studs on the bearing side of the rib; the upper one is .8 inches from the top of the bearing; that at the bottom is .8 inches from the base of the shell.

Cartridges	Length	-	-	-	-	-	19.4 inches.
	Diameter	-	-	-	-	-	6.4 "

One of the recovered shells (No. 26) is cracked across the head.

(signed) *F. Eardley Wilmot*, Colonel,
Commandant and Superintendent.

EXPERIMENTAL PRACTICE with a 7-Inch Gun, Experimental No. 199, Rifled on Commander Scott's Principle—continued.

COMMON SHELLS FILLED WITH POWDER, AND PLUGGED.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	°	Feet.		Lbs.		"	Yards.	Yds.		Yards.	Yards.	
April 7	61	20	2	—	Common shell filled with powder, and plugged.	93·437		—	—	—	Nil	—	—	These shells contained 6·625 lbs. of powder, and were fired out to sea, to ascertain if the shells would burst.
"	62	"	"	—		93·812		—	—	—	"	—	—	
"	63	"	"	—		93·625	·09	—	—	—	"	—	—	
"	64	"	"	—		94·625		—	—	—	"	—	—	
"	65	"	"	—		93·500		—	—	—	"	—	—	

The above were recovered shells, and fired in presence of the Ordnance Select Committee. None of them burst.

REPORT of EXPERIMENTAL PRACTICE with 7-inch Gun, Expl. No. 198, Rifled on Mr. Lancaster's Oval-bored System.

Height of Axis of Gun above Plane, $17\frac{1}{2}$ feet.

Ordnance { Weight, 148 cwt. 0 qrs. 14 lbs.
Length, 11 feet, $10\frac{1}{2}$ feet of bore.
Diameter of bore { Major axis, 7·6.
Minor axis, 7·0.
Spiral, if Rifled, 1 turn in 51·43 calibres.

Wind, S. E. 3.
Direction of Wind.

CAST-IRON SOLID SHOT.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.	Yds.		Yards.	Yards.	
July 12	1	25	10	7·9	Elongated cast iron shot; major, 7·55; minor dia., 6·95 inches.	111·187		13·5	Not found	Nil	Not found	Not found	Not found	A little unsteady.
"	2	"	"	8·0		110·250		14·0	4,476	—	"	—	79·5	
"	3	"	"	7·9		111·250		13·7	4,501	—	"	—	77·5	
"	4	"	"	7·7		110·875		13·7	4,464	—	"	—	65·5	
"	5	"	"	7·4		110·312		12·8	4,507	—	"	—	73·5	
July 13	6	"	5	8·4	Elongated cast iron shot; major, 7·55; minor dia., 6·95 inches.	110·937		7·8	2,816	—	"	—	16·9	A little unsteady.
"	7	"	"	7·9		111·187		7·7	2,824	—	"	—	27·3	
"	8	"	"	7·5		111·0	·05	7·7	2,816	—	"	—	23·3	
"	9	"	"	7·3		111·250		7·8	2,796	—	"	—	33·5	
"	10	"	"	7·6		111·375		7·8	2,856	—	"	—	35·5	
"	11	"	"	7·6		110·750		8·0	2,804	—	"	—	25·3	
"	12	"	"	7·6		111·375		7·7	2,823	—	"	—	23·7	
"	13	"	"	7·5		110·0		7·5	2,762	—	"	—	21·3	
"	14	"	"	7·7		111·0		7·7	2,857	—	"	—	19·3	
"	15	"	"	8·0		110·812		7·8	2,811	—	"	—	25·9	

Lubricators, with a dry sponge, were used on both days (12th and 13th July); the shot were all of the first supply. On the 13th July, the oiled lubricant was taken off, and replaced by 70-pounder lubricant.

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—*continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
14 July	16	12	0	4.4		110.625		—	—	—	Nil	—	—	Shot of the first supply.
"	17	"	"	5.7		111.125		—	—	—	"	—	—	
"	18	"	"	5.3		111.0		—	—	—	"	—	—	
"	19	"	"	5.6		111.0		—	—	—	"	—	—	
"	20	"	"	5.7		110.250		—	—	—	"	—	—	
"	21	20	"	8.7		111.062		—	—	—	"	—	—	Fired for initial velocity.
"	22	"	"	8.1		111.187		—	—	—	"	—	—	
"	23	"	"	8.4		111.375		—	—	—	"	—	—	
"	24	"	"	8.5		110.937		—	—	—	"	—	—	
"	25	"	"	9.0		111.0		—	—	—	"	—	—	
"	26	25	"	9.0		111.187		—	—	—	"	—	—	Brand of powder, L. G. W. A. A. 4. Lot 599, for rounds 26 to 45 inclusive.
"	27	"	"	7.3		110.937		—	—	—	"	—	—	
"	28	"	"	5.6		111.750		—	—	—	"	—	—	
"	29	"	"	5.6		110.937		—	—	—	"	—	—	
"	30	"	"	5.9		110.875		—	—	—	"	—	—	
"	31	"	2	6.3		111.312		3.7	1,577	—	"	—	4.1	Shot of the first supply.
"	32	"	"	5.6		111.062		3.9	1,594	—	"	—	3.1	
"	33	"	"	5.9		111.0		3.8	1,594	—	"	—	2.5	
"	34	"	"	6.9		111.0		4.0	1,589	—	"	—	1.5	
"	35	"	"	6.1		111.062		3.8	1,575	—	"	—	1.5	
"	36	"	"	6.0		111.187		3.6	1,505	—	"	—	2.9	
"	37	"	"	6.3		111.250		3.9	1,594	—	"	—	8.7	
"	38	"	"	6.3		110.937		3.6	1,559	—	"	—	3.5	
"	39	"	"	6.3		111.187		4.0	1,663	—	"	—	7.5	
"	40	"	"	6.5		110.937		3.9	1,648	—	"	—	6.1	
"	41	"	10	5.7	Elongated cast iron shot.	111.0	.05	14.3	4,636	—	"	—	97.5	
"	42	"	"	5.6		111.125		13.7	4,551	—	"	—	80.5	
"	43	"	"	5.7		111.250		14.0	4,624	—	"	—	73.5	
"	44	"	"	5.9		111.0		13.8	4,619	—	"	—	75.5	
"	45	"	"	5.7		110.937		13.9	4,595	—	"	—	77.5	
15 July	46	20	"	4.0		110.437		13.3	4,296	—	"	—	68.5	
"	47	"	"	5.0		111.0		13.0	4,183	—	"	—	51.5	
"	48	"	"	3.10		110.937		13.2	4,217	—	"	—	40.5	
"	49	"	"	4.0		111.375		13.0	4,175	—	"	—	39.5	Shot of the first supply.
"	50	"	"	4.0		111.062		13.8	4,372	—	"	—	55.5	
"	51	"	"	4.1		111.062		13.9	4,385	—	"	—	68.5	
"	52	"	"	3.11		111.062		13.8	4,369	—	"	—	77.5	
"	53	"	"	4.0		110.562		14.0	4,447	—	"	—	74.5	
"	54	"	"	4.0		111.0		13.5	4,294	—	"	—	53.5	
"	55	"	"	3.11		110.625		13.4	4,253	—	"	—	80.5	
"	56	"	2	3.9		110.375		3.6	1,460	—	"	—	9.9	
"	57	"	"	4.9		110.937		3.8	1,455	—	"	—	3.7	
"	58	"	"	4.10		110.5		3.8	1,507	—	"	—	4.1	
"	59	"	"	4.8		110.875		3.8	1,444	—	"	—	6.3	
"	60	"	"	4.10		111.0		3.8	1,469	—	"	—	.9	
"	61	"	"	4.9		111.312		3.2	1,457	—	"	—	6.3	
"	62	"	"	4.8		111.187		3.7	1,499	—	"	—	3.5	
"	63	"	"	4.9		111.312		3.4	1,396	—	"	—	4.5	
"	64	"	"	5.7		111.375		3.6	1,386	—	"	—	4.9	Great difficulty in loading.
"	65	"	"	4.8		110.0		3.8	1,472	—	"	—	.9	

A damp sponge was used.

From this date to the end of the experiment the use of the lubricant was discontinued, and the grummet, wad, felt, and cardboard (attached to the cartridge) used.

Length of cartridge, 17.9 inches.

Length of wad and grummet, 1.9 inches.

26 July	66	20	5	4.11	Elongated cast iron shot.	111.312	.05	7.7	2,695	—	Nil	—	22.1	
"	67	"	"	5.3		110.812		7.6	2,692	—	"	—	39.5	
"	68	"	"	4.5		110.437		7.7	2,697	—	"	—	26.9	

Brand of Powder,
L. G. W. A. A. 4. 22/12/63.
Lot 692.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
July 26	69	20	5	4.4	Elongated cast iron shot.	111.250	.05	7.4	2,682	-	Nil.	-	27.5	Shot of the first supply.
"	70	"	"	4.3		110.750		7.3	2,663	-	"	-	35.5	
"	71	"	"	4.0		111.375		7.3	2,661	-	"	-	29.5	
"	72	"	"	4.1		111.375		7.6	2,664	-	"	-	33.5	
"	73	"	"	4.5		110.875		7.5	2,742	-	"	-	34.5	
"	74	"	"	3.11		110.562		7.7	2,726	-	"	-	22.5	
"	75	"	"	3.11		110.750		7.2	2,656	-	"	-	33.5	
"	76	10	10	3.9		111.062		13.0	4,315	-	"	-	88.5	Sounded unsteady.
"	77	"	"	3.6		111.187		13.8	4,300	-	"	-	91.5	
"	78	"	"	3.6		111.187		13.3	4,400	-	"	-	111.5	
"	79	"	"	3.6		111.250		13.6	4,440	-	"	-	109.5	
"	80	"	"	3.6		111.250		13.5	4,308	-	"	-	106.5	
"	81	25	"	4.9		111.625		13.8	4,700	-	"	-	90.5	Unsteady.
"	82	"	"	4.10		111.187		14.4	4,839	-	"	-	150.5	
"	83	"	"	4.6		110.250		14.0	4,646	-	"	-	116.5	
"	84	"	"	4.9		111.375		13.7	4,608	-	"	-	114.5	
"	85	"	"	7.5		110.687		16.0	4,994	-	"	-	78.5	
A damp sponge used. Length of cartridge, with 20 lbs. charge, 17.0 inches. Length of cartridge, with 25 lbs. charge, 20.0 inches. Length of cartridge, wad, and grummet, 1.9 inches.														
July 27	86	20	2	3.6	Elongated cast iron shot.	110.562	.05	3.5	1,388	-	Nil.	9	-	Shot of the first supply.
"	87	"	"	3.7		110.562		3.4	1,368	-	"	-	1.9	
"	88	"	"	3.7		111.125		3.5	1,307	-	"	-	4.5	
"	89	"	"	3.8		110.312		3.7	1,445	-	"	-	4.3	Powder, L. G. W. A. A. 4. Lot 599.
"	90	"	"	4.1		110.937		3.6	1,392	-	"	-	3.7	
"	91	25	"	5.5		110.937		3.8	1,618	-	"	-	25.	Powder, L. G. W. A. A. 4. 22/12/63. Lot. 692.
"	92	"	"	5.9		111.312		3.6	1,562	-	"	-	2.3	
"	93	"	"	5.6		111.062		3.5	1,532	-	"	-	3.9	
"	94	"	"	5.11		110.875		3.3	1,515	-	"	-	3.1	
"	95	"	"	5.10		111.0		3.6	1,498	-	"	-	4.3	
"	96	20	5	4.0		111.0		7.4	2,603	-	"	-	10.9	Powder, L. G. W. A. A. 4. Lot. 599.
"	97	"	"	4.0		111.0		7.4	2,655	-	"	-	13.7	
"	98	"	"	3.9		110.625		7.0	2,511	-	"	-	16.5	
"	99	"	"	3.10		110.875		7.3	2,650	-	"	-	15.3	
"	100	"	"	4.3		111.5		7.3	2,635	-	"	-	18.5	
"	101	25	"	5.1		111.125		7.6	2,832	-	"	-	20.1	To round 121. Shot of first supply.
"	102	"	"	5.3		111.125		7.7	2,894	-	"	-	23.3	
"	103	"	"	5.6		110.937		7.8	2,937	-	"	-	18.5	
"	104	"	"	5.3		111.250		7.6	2,918	-	"	-	17.7	
"	105	"	"	5.6		110.750		7.8	2,934	-	"	-	25.3	
A damp sponge used. From this date to the end of the experiment, the trucks were off the platform, and the platform placed on planks, and lashed to pickets; slope, 6° 25'. Length of cartridge, with 20 lbs. charge, 17.5 inches. Length of cartridge, with 25 lbs. charge, 20.0 inches. Length of cartridge, with 12 lbs. charge, 11.0 inches. Length of wad and grummet, 1.9 inches.														
"	106	12	10	2.7	Elongated cast iron shot.	111.0	.05	12.8	3,908	-	Nil.	-	78.5	To round 121. Shot of first supply.
"	107	"	"	2.3		110.875		12.8	3,968	-	"	-	80.5	
"	108	"	"	2.2		110.687		12.8	3,875	-	"	-	77.5	
"	109	"	"	2.0		110.750		12.6	3,908	-	"	-	86.5	
"	110	"	"	2.1		111.062		12.4	3,878	-	"	-	69.5	

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—*continued.*

Date.	Number of Round.	Change.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction. Allowed for.	Left.		Right.
1864 :		Lbs.	°	Dry. Feet.	Elongated cast iron shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	
July 27	111	12	5	2.6		111.937		6.6	2,247	-	Nil	-	13.7	
"	112	"	"	2.3		111.437		6.6	2,277	-	"	-	15.5	
"	113	"	"	2.3		111.687		6.1	2,194	-	"	-	16.3	
"	114	"	"	2.6		111.0		6.8	2,309	-	"	-	15.9	
"	115	"	"	2.6		111.250		7.0	2,408	-	"	-	13.3	
"	116	"	2	2.3		111.125		3.1	1,202	-	"	-	5.5	
"	117	"	"	2.6		110.812		3.2	1,173	-	"	-	6.5	
"	118	"	"	2.5		111.187		3.4	1,218	-	"	-	6.3	
"	119	"	"	2.7		110.875		3.2	1,237	-	"	-	4.5	
"	120	"	"	2.6		111.125		3.2	1,159	-	"	-	4.5	
Sept. 27	121	"	"	2.2		101.187	.05	3.0	976	-	"	-	1.5	
"	122	"	"	2.7		100.187		3.2	1,193	-	"	-	5.7	
"	123	"	"	2.7		100.187		3.1	1,152	-	"	-	3.5	
"	124	"	"	2.6		100.187		3.6	1,272	-	"	-	2.5	
"	125	"	"	2.9		99.812		3.0	1,162	-	"	-	8.3	
"	126	"	"	2.8		101.375		3.2	1,206	-	"	-	3.7	
"	127	"	"	2.6		100.062		3.3	1,193	-	"	-	12.5	
"	128	"	"	2.6		100.187		3.3	1,206	-	"	-	3.9	
"	129	"	"	2.6		99.812		3.2	1,138	-	"	-	10.8	
"	130	"	"	2.7		100.125		3.0	1,162	-	"	-	3.3	
"	131	"	"	2.6		100.187		3.4	1,248	-	"	-	12.9	
The shot used on the 27th September were of the third supply, painted with two coats of paint.														Brand of Powder, L. G. W. A. A. 4. Lot 599.
"	132	20	2	4.1	Elongated cast iron shot.	100.437		3.5	1,372	-	Nil	-	.5	
"	133	"	"	4.3		100.0		3.6	1,447	-	"	-	5.1	
"	134	"	"	4.0		100.312		3.4	1,395	-	"	-	2.5	
"	135	"	"	3.10		100.312		3.6	1,408	-	"	-	5.5	
"	136	"	"	3.11		100.312		3.6	1,417	-	"	-	4.9	
"	137	"	"	4.0		100.437		3.5	1,434	-	"	-	10.7	
"	138	"	"	3.9		100.312		3.6	1,409	-	"	-	2.5	
"	139	"	"	3.9		99.875		3.6	1,431	-	"	-	6.9	
"	140	"	"	3.9		100.0	.05	3.5	1,391	-	"	-	12.1	
"	141	"	"	3.7		100.437		3.6	1,458	-	"	-	11.7	
"	142	25	"	5.0		100.0		3.4	1,445	-	"	-	5.3	
"	143	"	"	5.2		100.875		4.0	1,594	-	"	-	1.7	
"	144	"	"	5.0		100.312		3.6	1,515	-	"	-	4.9	
"	145	"	"	5.1		100.312		3.6	1,553	-	"	-	4.5	
"	146	"	"	5.2		100.812		3.6	1,543	-	"	-	2.3	
"	147	"	"	4.10		99.875		3.5	1,496	-	"	-	4.9	
"	148	"	"	4.10		100.312		3.6	1,492	-	"	-	5.9	
"	149	"	"	4.11		100.312		3.6	1,492	-	"	-	4.1	
"	150	"	"	5.0		99.687		3.5	1,507	-	"	-	.3	
"	151	"	"	4.10		99.500		3.7	1,561	-	"	-	4.5	
A damp sponge was used. Shot of third supply, painted with two coats of paint.														Brand of Powder, L. G. W. A. A. 4. 22/12/63. Lot 692.
"	M.152	12	10	2.6	Elongated cast iron shot.	100.125		13.0	3,950	-	Nil	-	92.5	
"	M.153	"	"	2.5		100.0		12.3	3,800	-	"	-	132.5	
"	M.154	"	"	2.0		99.687	.05	12.9	3,959	-	"	-	126.5	
"	M.155	"	"	2.5		100.250		13.1	4,003	-	"	-	92.5	
"	156	"	"	2.1		100.187		13.2	4,013	-	"	-	72.5	
A dry sponge used for the first 15 rounds; a damp one for the last 15.														
Shot painted with two coats of paint. Studs off.														

"M." Metal rammer used.

Brand of Powder,
L. G. W. A. A. 4. 22/12/63.
Lot 692.At this round the copper studs
were cut off.Brand of Powder,
L. G. W. A. A. 4. Lot 599.

Loading easy.

Brand of Powder,
L. G. W. A. A. 4. 22/12/63.
Lot 692.A dry sponge used for the
first 15 rounds; a damp one
for the last 15.Shot painted with
two coats of paint.
Studs off.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry- Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Sept. 28	157	12	10	2.4		99.437		12.8	3,970	—	Nil	—	112.5	Shot that have been exposed on the beach for three days. Studs off.
"	158	"	"	2.0		99.937		13.3	4,028	—	"	—	88.5	
"	159	"	"	1.11		100.187		13.0	3,964	—	"	—	60.5	
"	160	"	"	2.2		100.0		13.3	3,990	—	"	—	60.5	
"	161	"	"	2.3		100.250		13.3	4,100	—	"	—	82.5	
														Powder, L. G. W. A. A. 4. Lot 599
"	M. 162	20	"	3.6		100.187		14.3	4,550	—	"	—	132.5	Painted shot. Studs off.
"	M. 163	"	"	4.0		100.125		13.9	4,500	—	"	—	124.5	
"	M. 164	"	"	3.5		99.625		13.7	4,384	—	"	—	118.5	
"	M. 165	"	"	3.5		100.125		14.0	4,520	—	"	—	132.5	
"	M. 166	"	"	3.6		100.125		14.0	4,480	—	"	—	116.5	
"	L. 167	"	"	2.11		99.625		14.1	4,480	—	"	—	125.5	Shot that have been exposed on the beach. Studs on.
"	L. 168	"	"	3.4		100.250		14.4	4,570	—	"	—	122.5	
"	L. 169	"	"	3.5		101.187		14.2	4,520	—	"	—	130.5	
"	L. 170	"	"	3.6		100.375		14.0	4,500	—	"	—	92.5	
"	L. 171	"	"	3.4		100.562		14.1	4,480	—	"	—	39.5	
"	172	25	"	4.5		100.187		14.3	4,671	—	"	—	132.5	Wind changed, &c. Painted shot. Studs cut off.
"	173	"	"	4.9		99.625		14.1	4,620	—	"	—	132.5	
"	L. 174	"	"	4.8		100.062		13.9	4,620	—	"	—	102.5	
"	175	"	"	4.4		100.062		14.0	4,608	—	"	—	112.5	
"	L. 176	"	"	4.9		99.687		13.6	4,514	—	"	—	129.5	
"	L. 177	"	"	4.9		100.937		14.0	4,540	—	"	—	139.5	Studs on. Shot that have been exposed on the beach.
"	L. 178	"	"	4.6		100.312		14.3	4,671	—	"	—	132.5	
"	L. 179	"	"	4.6		100.0		13.9	4,608	—	"	—	142.5	
"	L. 180	"	"	4.3		100.250		14.3	4,660	—	"	—	137.5	
"	L. 181	"	"	4.4		100.312		14.3	4,617	—	"	—	108.5	
							.05							Brand of Powder, L. G. W. A. A. 4. Lot. 599.
Sept. 29	182	20	5	3.9	Elongated cast iron shot.	101.187		7.2	2,641	—	"	—	34.5	Studs not cut off.
"	L. 183	"	"	3.9		101.375		7.5	2,737	—	"	—	27.3	
"	184	"	"	3.8		100.750		7.4	2,676	—	"	—	14.5	
"	185	"	"	4.0		101.312		7.4	2,696	—	"	—	28.7	
"	L. 186	"	"	3.4		101.0		7.2	2,649	—	"	—	33.5	
"	187	"	"	3.8		100.937		7.5	2,683	—	"	—	21.5	Wind changed.
"	188	"	"	3.6		100.687		7.3	2,673	—	"	—	24.5	
"	189	"	"	3.6		100.875		7.3	2,657	—	"	—	34.5	
"	190	"	"	3.3		101.0		7.5	2,694	—	"	—	23.5	
"	191	"	"	3.4		100.937		7.2	2,607	—	"	—	22.7	
"	L. 192	"	"	3.5		101.062		7.3	2,656	—	"	—	36.5	Wind changed.
"	193	"	"	3.6		101.437		7.5	2,705	—	"	—	23.5	
"	194	"	"	3.6		101.187		7.3	2,670	—	"	—	24.9	
"	195	"	"	Not observed		101.250		Not observed	2,643	—	"	—	23.5	
"	196	"	"	3.3		101.0		ditto	2,666	—	"	—	23.5	
"	197	"	"	3.6		101.0		7.6	2,725	—	"	—	27.7	
"	198	"	"	3.7		101.187		7.4	2,678	—	"	—	26.5	
"	199	"	"	3.6		100.937		7.6	2,716	—	"	—	36.5	
"	200	"	"	3.6		100.812		7.3	2,566	—	"	—	35.5	
"	201	"	"	3.4		100.250		Not observed	2,590	—	"	—	34.5	

A damp sponge used. The shot used this day were all of the second supply (hollowed out and plugged at the base).
Length of cartridge, 15.5 inches. Length of wad and grummet, 1.9 inches.

"M." Metal rammer used.

"L." Long lever used.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.*			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.	Elongated cast iron shot.	Lbs.	Mean.	"	Yards.			Feet.	Feet.	Copper bearings left on. <

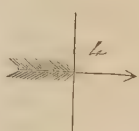
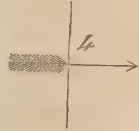
"M." Metal rammer used.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Oct. 10	251	20	5	3·8	Elongated cast iron shot.	101·125	·05	7·2	2,609·2	—	Nil.	—	37·5	Shot, 2d supply (hollowed out, and plugged at the base). The copper studs of these 10 shot slightly filed down.
"	252	"	"	3·3		101·0		7·3	2,637	—	"	—	45·5	
"	253	"	"	3·3		100·812		7·3	2,592·4	—	"	—	43·1	
"	254	"	"	3·2		101·125		Not observed	2,530·6	—	"	—	38·5	
"	255	"	"	3·1		101·375		7·2	2,574·6	—	"	—	31·7	
"	256	"	"	3·3		101·0		7·3	2,609·2	—	"	—	28·5	
"	257	"	"	3·6		100·625		7·0	2,548·8	—	"	—	47·5	
"	258	"	"	3·3		100·250		7·4	2,581·2	—	"	—	43·5	
"	259	"	"	3·2		100·812		7·1	2,579·4	—	"	—	43·5	
"	260	"	"	3·4		100·562		7·3	2,602·4	—	"	—	32·5	
A damp sponge used.														Brand of Powder, L. G. W. A. A. 4 26/1/64. Lot 710.
Oct. 11	261	12	2	1·6	Round shot.	48·375	—	3·1	1,025	—	"	—	2·5	Round shot (diameter 6·885 inches), with wood top and bottom, length 10 inches.
"	262	"	"	1·3				3·4	1,206	—	"	—	1·6	
"	263	"	"	1·0				3·4	1,186	—	"	—	8·5	
"	264	"	"	1·0				3·0	1,052	—	"	7·3	—	
"	265	"	"	1·0				3·0	1,101·4	—	"	—	2·7	
"	266	"	"	1·2				3·7	1,246	—	"	2·1	—	
"	267	"	"	1·1				3·2	1,145·2	—	"	—	10·5	
"	268	"	"	1·1				3·2	1,200	—	"	—	2·9	
"	269	"	"	1·1				3·2	1,129	—	"	—	4·9	
"	270	"	"	1·0				3·3	1,179	—	"	12·1	—	
"	271	20	"	1·4				4·1	1,516	—	"	·3	—	
"	272	"	"	2·0				4·1	1,525	—	"	4·5	—	
"	273	"	"	2·0				3·8	1,421·4	—	"	—	13·5	
"	274	"	"	2·0				3·1	1,209	—	"	9·5	—	
"	275	"	"	2·0				3·4	1,296	—	"	—	1·5	
"	276	"	"	2·0				2·8	1,166·6	—	"	—	8·5	
"	277	"	"	1·10				4·0	1,505	—	"	—	6·7	
"	278	"	"	1·11				3·5	1,336	—	"	—	2·1	
"	279	"	"	1·5				3·9	1,490	—	"	—	2·3	
"	280	"	"	1·4				3·7	1,412	—	"	—	9·3	
A damp sponge used.														
"	281	12	5	1·0	Round shot.	48·375	—	6·7	1,987	—	"	—	24·1	Wind increased to 5.
"	282	"	"	1·0				6·1	1,845·2	—	"	—	9·7	
"	283	"	"	1·0				6·4	1,955	—	"	—	18·7	
"	284	"	"	1·0				6·6	2,202	—	"	—	6·5	Round shot (diameter 6·885 inches), with wood top and bottom, length 10 inches. A damp sponge was used; no wads.
"	285	"	"	1·0				6·2	1,926	—	"	—	20·3	
"	286	"	"	1·0				6·3	1,835	—	"	—	14·5	
"	287	"	"	1·0				6·9	1,829	—	"	—	4·1	
"	288	"	"	1·0				7·0	2,066	—	"	—	28·5	
"	289	"	"	1·0				6·6	1,920	—	"	—	3·3	
"	290	"	"	1·0				6·0	1,863	—	"	—	12·9	
"	291	20	"	1·6				Not observed	2,109·4	—	"	—	4·5	
"	292	"	"	1·6				7·0	2,212	—	"	—	34·5	
"	293	"	"	1·9				7·2	2,240	—	"	—	17·7	
"	294	"	"	1·9				Not observed	2,164	—	"	—	8·5	
"	295	"	"	1·9				"	2,437	—	"	—	36·1	

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Oct. 12	296	12	5	1.0	Round shot.	48.375	-	6.5	1,964	-	Nil.	-	17.5	 Round shot (diameter 6.885 inches), without wood top and bottom.
"	297	"	"	1.0				6.3	1,853	-	"	-	6.7	
"	298	"	"	1.0				6.8	2,007.4	-	"	-	15.5	
"	299	"	"	1.0				7.3	2,108	-	"	-	29.7	
"	300	"	"	1.0				6.7	2,020	-	"	-	34.3	
"	301	"	"	1.0				6.3	1,904	-	"	-	19.1	
"	302	"	"	1.0				6.8	2,028	-	"	-	12.1	
"	303	"	"	1.0				6.2	1,870	-	"	-	1.1	
"	304	"	"	1.0				6.3	1,861	-	"	-	5.9	
"	305	"	"	1.0				6.7	1,942	-	"	-	4.5	
(12th Oct.) A damp sponge used, with grummet wad, felt, and cardboard attached to cartridge.														
Oct. 13	306	12	2	1.1	Round shot.	48.375	-	3.4	1,154	-	Nil.	-	11.5	 Recovered shot (diameter 6.885 inches). A grummet was placed in front of the cartridge, and one in front of the shot.
"	307	"	"	1.2				Not observed	960	-	"	2.5	-	
"	308	"	"	1.0				3.2	1,031	-	"	-	7.7	
"	309	"	"	1.0				3.2	1,082	-	"	-	7.9	
"	310	"	"	1.0				3.1	1,102	-	"	-	3.9	
"	311	"	"	1.0				3.4	1,136	-	"	-	9.7	
"	312	"	"	1.0				3.5	1,194	-	"	-	5.1	
"	313	"	"	1.0				3.4	1,187	-	"	-	3.7	
"	314	"	"	1.0				2.6	970	-	"	-	2.1	
"	315	"	"	1.0				3.4	1,144	-	"	-	1.5	
"	316	20	"	1.7				3.4	1,253.6	-	"	-	6.9	
"	317	"	"	1.9				3.4	1,207	-	"	-	4.7	
"	318	"	"	1.9				4.0	1,462	-	"	-	11.3	
"	319	"	"	1.8				3.6	1,381	-	"	-	15.5	
"	320	"	"	1.9				3.4	1,269.4	-	"	2.5	-	
"	321	"	"	1.9				3.2	1,224	-	"	.5	-	
"	322	"	"	1.9				4.4	1,298	-	"	-	3.9	
"	323	"	"	1.9				3.2	1,181	-	"	3.5	-	
"	324	"	"	1.9				3.0	1,182	-	"	-	4.5	
"	325	"	"	1.9				3.1	1,159	-	"	2.5	-	
"	326	"	5	1.6				7.0	2,206.4	-	"	-	18.7	
"	327	"	"	1.6	7.3	2,232	-	"	1.1	-				
"	328	"	"	1.6	7.4	2,240	-	"	18.5	-				
"	329	"	"	1.7	7.2	2,184	-	"	-	6.5				
"	330	"	"	1.6	7.0	2,191	-	"	-	21.9				
A damp sponge used.														
Oct. 20	331	20	2	4.0	Elongated cast iron shot.	100.812	.05	3.6	1,291	-	"	-	3.1	 Shot of second supply (hollowed out, and plugged at the base). No wads used; studs slightly filed down. Simultaneous loading.
"	332	"	"	3.9				3.5	1,448	-	"	-	1.5	
"	333	"	"	3.10				3.5	1,426	-	"	-	6.7	
"	334	"	"	3.11				3.4	1,414	-	"	-	7.5	
"	335	"	"	3.9				3.5	1,482	-	"	-	3.3	
"	336	"	"	3.8				3.7	1,476	-	"	-	3.5	
"	337	"	"	3.4				3.4	1,360	-	"	-	11.1	
"	338	"	"	3.2				3.4	1,441	-	"	.9	-	
"	339	"	"	3.3				Not observed	1,406	-	"	-	8.7	
"	340	"	"	3.2				3.5	1,389	-	"	-	11.5	

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Oct. 20	341	20	5	3·5	Elongated cast iron shot.	101·0	·05	Not observed	2,699	—	Nil	—	16·1	Shot of 2d supply as above. Grummet, wad, felt, and cardboard attached to cartridge; studs on shot slightly filed down.
"	342	"	"	3·1		101·375		7·0	2,615	—	"	—	31·1	
"	343	"	"	3·1		101·687		Not observed	2,766	—	"	—	21·5	
"	344	"	"	2·11		101·0		7·0	2,625	—	"	—	27·5	
"	345	"	"	2·11		101·187		7·0	2,671	—	"	—	21·1	
"	346	"	"	3·0		101·187		7·6	2,836	—	"	—	31·5	
"	347	"	"	3·0		100·937		7·3	2,714	—	"	—	27·3	
"	348	"	"	3·1		101·375		7·5	2,796	—	"	—	16·1	
"	349	"	"	3·1		101·062		Not observed	2,742	—	"	—	32·1	
"	350	"	"	3·1		101·0		ditto	2,776	—	"	—	29·7	
A damp sponge used.														
Oct. 24	351	12	0	—	Round shot.	—	48·375	—	—	—	—	—	—	Round shot (diameter 6·885 inches), with wood top and bottom, length 10 inches.
"	352	"	"	—		—		—	—	—	—	—	—	
"	353	"	"	—		—		—	—	—	—	—	—	
"	354	20	"	—		—		—	—	—	—	—	—	
"	355	"	"	—		—		—	—	—	—	—	—	
"	356	"	"	—		—		—	—	—	—	—	—	

The above shot were fired for initial velocity.

End of the practice with Solid Shot.

GENERAL REMARKS.

Elevation throughout by tangent. The gun was laid at the top of a target 6'×6', thus:—

On the 12th July, at 2,000 yards' distance.

On the 13th July - ditto.

On the 14th July, at 1,000 and 2,000 yards' distance.

On the 15th July, at 2,000 yards' distance.

On the 26th July and following days, at 1,000 yards' distance.

The actual calibre of the gun is Major axis 7·599 inches; minor axis 6·996 inches; but the windage has been calculated as if the gun was 7·6 inches at major axis, and 7·0 inches at the minor axis.

The gun was examined, and an impression of the vent taken at the following stages of the experiment, viz. :—

After the 45th round.

After the 65th round, and an impression of the bore taken.

After the 330th round.

The elongated cast iron projectiles used with this gun were of the following description, viz. :—

Shot of the 1st Supply.—Solid; length 11·73 inches, with one groove running through the cylindrical part (to facilitate loading, a corresponding projection on shot bearer); four small copper studs, the first ones 1½ inches from base, the others are 4¾ inches from the first, and so placed that they are at the bottom of the bore when the shot is rammed home.

2d Supply.—Hollow; same as first supply, but reduced to 100 lbs. weight, by boring out at the base, and plugged.

3d Supply.—Solid; length 10·73 inches, with studs the same as the other supplies. The shot that had been exposed on the beach at low-water mark for three days, were very much rusted in consequence.

Great difficulty was experienced at the rounds marked "L." and "M." in getting the shot home; four men and a metal rammer were necessary. The cartridge also occasionally jammed, from the pasteboard wad being too high; the metal rammer broke at the 167th round, and a long lever was substituted for it, till it was repaired.

The wood top and bottom on the round shot had all to be spokeshaved, being too high in diameter.

(signed) F. Eardly Wilmot, Colonel,
Commandant and Supt.

PLUGGED COMMON SHELLS.

EXPERIMENTAL PRACTICE continued with a 7-inch Wrought Iron M. L. Oval-bored Rifled Gun—
Mr. Lancaster's Principle.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Grade.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	°	Dry. Feet.	Elongated cast iron common shell.	*Empty. Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 8	1	20	2	Not observed		94·062		3·5	1,320	-	Nil	-	14·	
Mar. 21	2	"	"	5·4		93·687		Not observed	1,424	-	"	-	3·2	
"	3	"	"	4·11		94·375		3·5	1,327	-	"	-	4·8	
"	4	"	"	4·9		93·875		3·4	1,327	-	"	-	6·	
"	5	"	"	4·9		93·437		3·5	1,374	-	"	-	4·4	
"	6	"	"	4·8		93·250		3·6	1,436	-	"	-	4·	
"	7	"	"	4·9		94·250		3·4	1,312	-	"	-	6·	
"	8	"	"	4·9		93·562		3·4	1,282	-	"	-	7·2	
"	9	"	"	4·6		92·312		3·3	1,301	-	"	-	7·2	
"	10	"	"	4·9		93·125		3·3	1,287	-	"	-	7·	
"	11	"	"	4·8		93·750		3·5	1,329	-	"	-	5·	
"	12	"	"	4·9		94·875		3·6	1,363	-	"	-	5·4	
"	13	"	"	5·0		93·812		3·6	1,394	-	"	-	5·	
"	14	"	"	4·9		93·187		3·5	1,308	-	"	-	4·2	
"	15	"	"	4·9		93·687		3·5	1,346	-	"	-	6·	
"	16	"	"	5·0		93·312		3·5	1,326	-	"	-	6·2	
"	17	"	"	4·9		94·5		3·8	1,421	-	"	-	4·	
"	18	"	"	5·0		93·5		3·6	1,394	-	"	-	4·4	
"	19	"	"	4·7		94·375	0·4	3·4	1,320	-	"	-	6·4	
"	20	"	"	4·3		94·937		3·2	1,288	-	"	-	6·	
"	21	"	5	4·8		94·750		7·0	2,497	-	"	-	22·	
"	22	"	"	4·6		93·812		7·2	2,497	-	"	-	22·	
"	23	"	"	4·3		94·187		7·2	2,534	-	"	-	23·8	
"	24	"	"	4·9		93·062		7·3	2,571	-	"	-	22·6	
"	25	"	"	4·7		94·812		7·0	2,442	-	"	-	26·	
"	26	"	"	4·8		94·937		7·2	2,450	-	"	-	18·8	
"	27	"	"	4·6		93·750		7·0	2,492	-	"	-	22·4	
"	28	"	"	4·6		93·812		7·3	2,497	-	"	-	26·	
"	29	"	"	4·6		93·5		7·0	2,435	-	"	-	23·	
"	30	"	"	4·9		93·937		7·1	2,494	-	"	-	22·4	
"	31	"	"	4·6		94·437		7·0	2,400	-	"	-	25·6	
"	32	"	"	4·6		93·750		7·4	2,448	-	"	-	22·4	
"	33	"	"	4·8		94·0		Not observed	2,412	-	"	-	17·6	
"	34	"	"	4·7		94·312		7·1	2,505	-	"	-	24·	
"	35	"	"	4·6		93·625		7·3	2,492	-	"	-	24·	
"	36	"	"	4·6		94·125		7·0	2,456	-	"	-	22·	
"	37	"	"	4·7		93·937		7·3	2,500	-	"	-	26·4	
"	38	"	"	4·6		93·562		7·2	2,512	-	"	-	36·	Wind changed.
"	39	"	"	4·9		94·187		7·4	2,548	-	"	-	34·	
"	40	"	"	4·9		94·125		7·2	2,552	-	"	-	30·	

* Vide remarks page 55, relative to weight of shell.

EXPERIMENTAL PRACTICE with a 7-inch Wrought Iron M. L. Oval-bored Rifle Gun, on Mr. Lancaster's Principle—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Dry.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 22	41	20	10	Feet. 4·9		94·375		13·5	4,265	-	Nil	-	136·	Wind in slight gusts, with snow.
"	42	"	"	4·6		94·562		13·4	4,188	-	"	-	138·	
"	43	"	"	4·3		94·687		12·8	4,014	-	"	-	71·	
"	44	"	"	Not observed		93·937		13·9	4,296	-	"	-	110·	
"	45	"	"	4·3		94·375		13·3	3,950	-	"	-	104·	
"	46	"	"	4·4		94·312		13·1	4,047	-	"	-	91·	
"	47	"	"	Not observed		94·437		13·5	4,170	-	"	-	117·	
"	48	"	"	4·2		94·187		13·5	4,242	-	"	-	92·	
"	49	"	"	4·1		94·187		13·3	4,138	-	"	-	124·	
"	50	"	"	4·4		94·187	·04	12·9	4,091	-	"	-	79·	
"	51	"	"			94·187		Not observed	4,038	-	"	-	142·	Wind 3. Brand of Powder, Rifle, L. G. W. A. 25/2/64. Lot 732.
"	52	"	"			93·937		13·3	4,099	-	"	-	107·	
"	53	"	"			94·625		13·1	4,090	-	"	-	103·	
"	54	"	"			94·062		13·5	4,164	-	"	-	44·	Wind, 4 to 5.
"	55	"	"			93·625		13·6	4,158	-	"	-	57·	
"	56	"	"			94·562			3,925	-	"	-	105·	
"	57	"	"	4·1		94·0			4,138	-	"	-	174·	Wind in gusts.
"	58	"	"			94·375			4,257	-	"	-	137·	
"	59	"	"			94·937			4,164	-	"	-	95·	Not snowing.
"	60	"	"			94·750			4,133	-	"	-	154·	

Elevation throughout by quadrant. Gun laid at a target 6'×6', distant 1,000 yards. Gun mounted on a garrison sliding carriage, on a wood traversing platform; slope 5° 30'. F. Racer; no compressor used. Dry sponge used throughout. The cartridge and shell were sent home separately. The operation of loading was somewhat difficult, both with the cartridges and with the shells, the former on account of the felt wad grumets, which were too high; the latter on account of the shells sticking in the bore, owing probably to there being no lubrication and dry sponging. The shells were only painted on the tops, the body of the shell being rusty: they were rubbed over with oiled waste up to the 15th round (but from that to the close of the practice, they were merely cleaned with a brush, similar to the other two guns).

The shells were fired filled, having been weighted up to 100 lbs. by means of sand, and plugged.

The shells in rounds 1 to 20, had a Moorsom fuze hole.

The shells in rounds 21 to 40, had a F. S. rifle shell hole.

The shells in rounds 41 to 60, had a L. S. spherical common shell hole.

The shells will contain 5 lbs. of bursting powder.

Shell	-	-	Length	-	-	-	-	-	13·52 inches.
			Length of bearing	-	-	-	-	-	10·5 "
			Diameter, major axis	-	-	-	-	-	7·56 "
			Diameter, minor axis	-	-	-	-	-	6·956 "
Cartridges	-	-	Length	-	-	-	-	-	19·4 "
			Diameter	-	-	-	-	-	6·4 "

The whole of the recovered shell, except No. 13 (with F. S. fuze hole), are cracked across the head; crack commences about 2·5 inches from the groove.

F. Eardley Wilmot, Colonel,
Comdt. and Supt.

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System.

Height of Axis of Gun above Plane, $17\frac{1}{2}$ feet.

Ordinance - { Weight, 139 cwt. 2 qrs. 14 lbs.
Length, 12 feet, $10\frac{1}{2}$ feet of bore.
Diameter of bore, 7 inches.
Spiral, 1 turn in 37 calibres.
Grooves, No. 6. Width, .18 inches. Depth, .17 inches.

Barometer, 30.20 in.
Wind, East 4.
Direction of Wind.



Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windsage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Wet. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Feb. 13	1	25	2	Damp.		Not taken		-	1,382	-	Nil	-	4.1	Gun fell over; snow on slide.
Feb. 14	2	"	"	5.0		110.062		3.6	1,440	-	"	-	7.6	
"	3	"	"	5.3		109.250		3.6	1,351	-	"	-	6.2	4 to 5
"	4	"	"	6.0		109.375		3.6	1,447	-	"	-	6.	
"	5	"	"	5.6		109.062		3.4	1,339	-	"	-	7.	4 to 5
"	6	"	"	5.9		109.125		3.6	1,428	-	"	-	5.4	
"	7	"	"	5.0		109.625		Not observed.	1,431	-	"	-	5.	4 to 5
"	8	"	"	5.0		109.437		3.6	1,398	-	"	-	7.	
"	9	"	"	5.3		109.687		3.5	1,396	-	"	-	5.	4 to 5
"	10	"	"	5.6		109.062		3.6	1,382	-	"	-	4.8	
"	11	20	"	4.0		109.312		3.4	1,307	-	"	-	5.6	4 to 5
"	12	"	"	4.1		109.875		3.4	1,315	-	"	-	5.6	
"	13	"	"	4.1		109.875		3.4	1,314	-	"	-	6.	4 to 5
"	14	"	"	4.4		109.250		3.4	1,281	-	"	-	3.8	
"	15	"	"	4.6		109.062		3.4	1,371	-	"	-	6.	4 to 5
"	16	"	"	Not taken.		109.250		3.4	1,342	-	"	-	7.	
"	17	"	"	4.1	Elongated cast-iron shot.	109.125		3.4	1,339	-	"	-	4.6	4 to 5
"	18	"	"	4.4		109.062		3.4	1,284	-	"	-	5.	
"	19	"	"	5.0		109.5		3.4	1,330	-	"	-	6.	4 to 5
"	20	"	"	4.1		109.125	.04	3.3	1,266	-	"	-	6.	
"	21	12	"	2.9		109.187		3.0	1,012	-	"	-	3.4	4 to 5
"	22	"	"	2.11		109.375		3.0	1,032	-	"	-	4.2	
"	23	"	"	2.11		109.062		3.0	1,044	-	"	-	6.	4 to 5
"	24	"	"	2.6		109.250		3.0	1,052	-	"	-	3.2	
"	25	"	"	2.6		109.5		3.2	1,063	-	"	-	5.2	4 to 5
"	26	"	"	2.6		109.125		3.0	1,009	-	"	-	4.6	
"	27	"	"	2.8		109.375		3.0	1,049	-	"	-	3.8	4 to 5
"	28	"	"	2.7		109.312		2.9	1,003	-	"	-	3.2	
"	29	"	"	2.7		109.187		Not observed.	1,030	-	"	-	5.	4 to 5
"	30	"	"	2.6		109.5		3.0	1,042	-	"	-	3.8	
"	31	"	5	2.0		109.0		6.4	2,056	-	"	-	19.8	4 to 5
"	32	"	"	2.3		109.125		6.4	2,072	-	"	-	26.	
"	33	"	"	2.2		109.125		6.3	2,034	-	"	-	15.	4 to 5
"	34	"	"	2.3		109.562		6.4	2,074	-	"	-	16.	
"	35	"	"	2.4		109.937		6.2	2,004	-	"	-	23.	4 to 5
"	36	"	"	3.0		109.937		6.4	2,034	-	"	-	22.	
"	37	"	"	2.4		109.187		6.0	1,965	-	"	-	17.8	4 to 5
"	38	"	"	2.8		109.125		6.2	2,014	-	"	-	18.	
"	39	"	"	2.0		109.250		6.4	2,059	-	"	-	22.	4 to 5
"	40	"	"	2.0		110.0		Not observed.	2,023	-	"	-	19.	

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Damp. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Feb. 14	41	20	5	3·2		109·375		7·0	2,408	—	Nil	—	23·	Wind shifted.
"	42	"	"	3·6		109·437		7·1	2,491	—	"	—	26·6	
"	43	"	"	3·7		109·5		7·0	2,349	—	"	—	17·4	
"	44	"	"	3·9		109·250		7·0	2,404	—	"	—	24·6	
"	45	"	"	3·9		109·437		7·2	2,464	—	"	—	24·	
"	46	"	"	3·8		109·5		7·0	2,407	—	"	—	23·	
"	47	"	"	3·6		109·562		6·9	2,394	—	"	—	21·6	
"	48	"	"	3·9		109·312		7·0	2,408	—	"	—	24·4	
"	49	"	"	2·8		109·625		7·0	2,386	—	"	—	19·6	
"	50	"	"	3·6		109·187		7·0	2,460	—	"	—	22·8	
"	51	25	"	5·0		109·125		Not observed.	2,594	—	"	—	22·6	
"	52	"	"	5·0		109·250		7·0	2,440	—	"	—	25·6	
"	53	"	"	5·0		109·437		7·0	2,534	—	"	—	26·	
"	54	"	"	5·3		109·125		7·4	2,648	—	"	—	24·	
"	55	"	"	5·0		109·125		7·4	2,575	—	"	—	33·6	
"	56	"	"	4·9		109·812		7·4	2,607	—	"	—	26·2	
"	57	"	"	4·6		109·250		7·2	2,593	—	"	—	30·	
"	58	"	"	5·9		109·187		7·4	2,605	—	"	—	24·	
"	59	"	"	5·0		109·625		7·4	2,618	—	"	—	27·	
"	60	"	"	Not observed.		109·5		7·4	2,568	—	"	—	20·8	
"	61	"	10	4·9	Elongated cast-iron shot.	109·437		12·8	4,076	—	"	—	70·	
"	62	"	"	4·9		109·625		12·8	4,032	—	"	—	83·	
"	63	"	"	4·6		109·562		Not observed.	4,159	—	"	—	106·	
"	64	"	"	4·2		109·437		12·7	4,025	—	"	—	69·	
"	65	"	"	4·9		109·125		13·2	4,152	—	"	—	76·	
"	66	"	"	4·9		110·0		12·8	4,031	—	"	—	94·	
"	67	"	"	4·9		109·625		13·0	4,130	—	"	—	80·	
"	68	"	"	4·8		109·875		13·2	4,158	—	"	—	74·	
"	69	"	"	4·6		109·062		13·0	4,122	—	"	—	71·	
"	70	"	"	4·9		109·5		13·2	4,197	—	"	—	82·	
"	71	20	"	4·0		109·062		12·4	3,894	—	"	—	77·	
"	72	"	"	3·6		109·437		12·7	3,493	—	"	—	88·	
"	73	"	"	3·6		109·437		12·6	3,875	—	"	—	77·	
"	74	"	"	3·6		109·625		12·6	3,953	—	"	—	72·	
"	75	"	"	3·6		110·0		12·7	3,902	—	"	—	79·	
"	76	"	"	3·5		109·437		12·6	3,947	—	"	—	66·	
"	77	"	"	3·3		109·062		12·8	3,875	—	"	—	89·	
"	78	"	"	3·6		109·125		12·4	3,827	—	"	—	69·	
"	79	"	"	3·5		110·0		12·6	3,939	—	"	—	66·	
"	80	"	"	3·5		109·312		13·1	3,900	—	"	—	38·	
"	81	12	"	2·0		109·062		11·4	3,350	—	"	—	55·	
"	82	"	"	2·0		109·875		Not observed.	3,404	—	"	—	57·	
"	83	"	"	2·0		109·375		11·6	3,371	—	"	—	60·	
"	84	"	"	2·1		109·187		11·4	3,354	—	"	—	58·	
"	85	"	"	2·1		109·250		11·4	3,379	—	"	—	55·	
"	86	"	"	1·9		110·0		11·3	3,325	—	"	—	42·	
"	87	"	"	2·0		109·250		11·6	3,406	—	"	—	42·	
"	88	"	"	2·0		110·0		12·0	3,409	—	"	—	72·	
"	89	"	"	2·0		109·250		11·2	3,342	—	"	—	51·	
"	90	"	"	2·0		109·312		11·2	3,300	—	"	—	47·	

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Damp. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Feb. 14	91	12	2	-	Elongated cast-iron shot.	109·125	·04	-	-	-	Nil	-	-	Fired for initial velocity. Brand of Powder, Rifle L. G. W. A. 20/2/64. Lot 728.
"	92	"	"	-		109·250		-	-	-	"	-	-	
"	93	"	"	-		109·437		-	-	-	"	-	-	
"	94	20	"	-		110·062		-	-	-	"	-	-	
"	95	"	"	-		110·0		-	-	-	"	-	-	
"	96	"	"	-		109·375		-	-	-	"	-	-	
"	97	25	"	-		109·375		-	-	-	"	-	-	
"	98	"	"	-		109·437		-	-	-	"	-	-	
"	99	"	"	-		109·5		-	-	-	"	-	-	

Elevation throughout by quadrant.

The gun was laid at a target 6' × 6', distant 1,000 yards.

In the first round of the practice a new pattern wood compressor was used with two screws, instead of an eccentric compressor. The gun this day was mounted on an iron traversing platform; the carriage and compressor had to be made up to the width of the platform. (The gun and carriage ran off the slide this day).

From the second round to the end of the practice, the gun was mounted on one of the experimental wood traversing platforms, and a new pattern wood compressor, with cogs, instead of eccentric, was used.

The trunnion holes of the carriage had to be made up with wood to fit the trunnions.

Shot	-	-	-	-	Length	-	-	-	-	-	-	-	12·66 inches.
					Length of column of studs	-	-	-	-	-	-	-	9·03 "
					Diameter over body	-	-	-	-	-	-	-	6·96 "
					Diameter over two studs	-	-	-	-	-	-	-	7·225 "
Cartridges	-	-	-	-	Length, with 25 lbs. charge	-	-	-	-	-	-	-	21·9 inches.
					Length, with 20 lbs. charge	-	-	-	-	-	-	-	19·4 "
					Length, with 12 lbs. charge	-	-	-	-	-	-	-	13·9 "
					Diameter	-	-	-	-	-	-	-	6·5 "

F. Eardley Wilmot, Colonel, R.A.,
Commandant and Superintendent.

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform. Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Wet. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 6	1	12	5	2·3		101·0		Not observed.	2,120	—	Nil	—	25·6	
"	2	"	"	2·3		100·0		"	2,133	—	"	—	16·6	
"	3	"	"	2·3		99·375		"	2,149	—	"	—	19·2	
"	4	"	"	2·2		99·937		6·8	2,288	—	"	—	18·6	
"	5	"	"	2·0		99·937		6·9	2,198	—	"	—	29·0	
"	6	"	"	2·3		99·687		6·6	2,183	—	"	—	23·2	
"	7	"	"	2·3		99·437		6·5	2,121	—	"	—	17·6	
"	8	"	"	2·4		99·5		7·2	2,280	—	"	—	17·2	
"	9	"	"	2·6		99·812		6·8	2,197	—	"	—	16·6	
"	10	"	"	2·6		99·5		7·0	2,188	—	"	—	36·0	
"	11	20	"	4·3		99·875		7·6	2,674	—	"	—	10·6	
"	12	"	"	4·6		99·687		7·8	2,776	—	"	—	24·6	
"	13	"	"	4·0		99·625		7·2	2,524	—	"	—	21·8	
"	14	"	"	4·9		99·5		7·6	2,678	—	"	—	25·4	
"	15	"	"	4·9		99·750		7·6	2,620	—	"	—	22·2	
"	16	"	"	4·9		99·625		7·2	2,574	—	"	—	27·0	
"	17	"	"	4·9		99·812		7·5	2,598	—	"	—	29·4	
"	18	"	"	4·6		99·937		7·1	2,567	—	"	—	25·4	
"	19	"	"	4·9		100·0		7·5	2,600	—	"	—	29·2	
"	20	"	"	4·9		99·687		7·2	2,546	—	"	—	34·0	
"	21	25	"	4·6	Elongated cast-iron shot.	99·750	·04	7·6	2,750	—	"	—	43·4	Wind changed
"	22	"	"	4·10		99·812		7·6	2,674	—	"	—	48·8	
"	23	"	"	4·9		100·0		7·8	2,682	—	"	—	50·8	
"	24	"	"	To stop		99·937		7·6	2,750	—	"	—	37·6	* In these rounds the top carriage went forward about 3" after striking the stop; the front trucks also were jumped up.
"	25	"	"	4·3		100·0		7·8	2,837	—	"	—	38·4	
"	26	"	"	To stop		99·875		7·2	2,623	—	"	—	38·2	
"	27	"	"	4·0		99·750		7·8	2,782	—	"	—	38·0	
"	28	"	"	4·0		99·437		7·5	2,651	—	"	—	43·8	
"	29	"	"	4·6		99·375		7·6	2,756	—	"	—	37·0	
"	30	"	"	4·2		99·250		7·2	2,644	—	"	—	42·8	
"	31	12	10	1·0		99·187		11·9	3,497	—	"	—	83·6	Wind changed
"	32	"	"	2·6		99·062		11·8	3,547	—	"	—	90·8	
"	33	"	"	2·2		99·250		12·2	3,604	—	"	—	94·4	
"	34	"	"	2·3		99·437		12·2	3,574	—	"	—	90·8	
"	35	"	"	2·6		99·250		11·8	3,613	—	"	—	92·6	Wind 3.
"	36	"	"	2·6		99·250		11·4	3,552	—	"	—	88·6	
"	37	"	"	2·6		99·187		11·7	3,414	—	"	—	92·6	
"	38	"	"	2·6		99·187		12·1	3,504	—	"	—	102·6	
"	39	"	"	Not observed.		99·250		11·5	3,575	—	"	—	110·6	
"	40	"	"	2·9		99·312		11·8	3,500	—	"	—	94·6	× Vide remark at end of practice.
									3,506	—	"	—	99·6	

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—*continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Gaze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1865:		Lbs.	°	Wet. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 6	41	12	2	Not observed.		99.437		Not observed.	1,150	-	Nil	-	4.6	
"	42	"	"	2.9		100.0		3.0	1,064	-	"	-	10.6	
"	43	"	"	2.10		99.937		3.0	1,078	-	"	-	9.8	
"	44	"	"	3.0		99.187		3.2	1,114	-	"	-	6.8	
"	45	"	"	2.10		99.0		3.2	1,116	-	"	-	10.4	
"	46	"	"	2.8		99.187		3.1	1,092	-	"	-	7.8	
"	47	"	"	3.0		99.5		3.0	1,098	-	"	-	6.4	
"	48	"	"	2.11		99.312		3.2	1,090	-	"	-	4.6	
"	49	"	"	3.0		99.625		3.0	1,041	-	"	-	4.8	
"	50	"	"	Not observed.		99.0		Not observed.	1,098	-	"	-	8.4	
Mar. 7	51	20	"	Damp. Not observed.		99.625		3.8	1,382	-	"	-	7.4	Dry sponge used this day throughout.
"	52	"	"	3.10		99.875		Not observed.	1,450	-	"	-	11.8	
"	53	"	"	* To stop		99.750		"	1,434	-	"	-	12.6	
"	54	"	"	4.6		99.625		"	1,422	-	"	-	9.8	
"	55	"	"	4.3		99.875		3.6	1,388	-	"	-	12.2	
"	56	"	"	3.10		99.875		3.6	1,408	-	"	-	12.0	
"	57	"	"	4.1		99.812		3.6	1,432	-	"	-	12.6	
"	58	"	"	4.1		99.812		3.3	1,365	-	"	-	11.6	
"	59	"	"	3.11		99.0		3.9	1,421	-	"	-	13.6	
"	60	"	"	3.6		99.750		3.7	1,440	-	"	-	10.4	
"	61	25	"	3.9	Elongated cast-iron shot.	99.187		3.8	1,509	-	"	-	11.4	From this round, separate loading. Wind 3 to 4.
"	62	"	"	3.9		99.062		3.6	1,426	-	"	-	10.6	
"	63	"	"	4.11		99.812		3.8	1,460	-	"	-	12.6	
"	64	"	"	* To stop		99.812		3.7	1,514	-	"	-	14.0*	
"	65	"	"	3.9		99.812		3.8	1,486	-	"	-	16.4	
"	66	"	"	3.6		99.812		3.6	1,515	-	"	-	11.4	
"	67	"	"	3.6		100.0	.04	3.6	1,472	-	"	-	15.8	
"	68	"	"	3.9		100.0		3.7	1,459	-	"	-	13.6	
"	69	"	"	3.6		99.875		3.8	1,537	-	"	-	15.4	
"	70	"	"	3.6		99.875		3.7	1,472	-	"	-	9.4	
"	71	20	10	2.6		99.437		13.0	4,223	-	"	-	144.6	
"	72	"	"	2.7		99.5		13.0	4,211	-	"	-	159.6	
"	73	"	"	2.6		99.937		Not observed.	4,195	-	"	-	145.6	
"	74	"	"	2.6		99.312		13.0	4,212	-	"	-	143.6	Wind 4 to 5.
"	75	"	"	2.8		99.312		Not observed.	4,286	-	"	-	153.6	
"	76	"	"	2.9		99.562		13.2	4,234	-	"	-	156.6	
"	77	"	"	2.7		99.312		13.2	4,213	-	"	-	157.6	
"	78	"	"	2.6		99.750		13.3	4,248	-	"	-	169.6	
"	79	"	"	2.7		100.0		12.8	4,209	-	"	-	137.6	
"	80	"	"	2.8		99.437		13.3	4,208	-	"	-	157.6	
"	81	25	"	3.3		99.562		13.6	4,390	-	"	-	154.6	
"	82	"	"	3.6		99.187		13.2	4,333	-	"	-	152.6	
"	83	"	"	3.3		99.125		13.3	4,324	-	"	-	166.6	
"	84	"	"	3.3		99.437		14.0	4,452	-	"	-	165.6	
"	85	"	"	3.1		99.625		13.4	4,356	-	"	-	143.6	
"	86	"	"	Not observed.		99.937		13.6	4,368	-	"	-	148.6	
"	87	"	"	3.4		99.937		13.5	4,407	-	"	-	166.6	
"	88	"	"	3.1		99.250		13.3	4,331	-	"	-	160.6	
"	89	"	"	Not observed.		99.125		Not observed.	4,352	-	"	-	149.6	
"	90	"	"	3.6		99.750		13.3	4,354	-	"	-	148.6	

* In these rounds the top carriage went forward about 3" after striking the stop; the front trucks also were jumped up.

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—*continued*.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Damp. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Mar. 7	91	12	0	1·9	Elongated cast-iron shot.	99·250		-	-	-	Nil	-	-	
"	92	"	"	2·0		99·5		-	-	-	"	-	-	
"	93	"	"	2·0		99·750		-	-	-	"	-	-	
"	94	20	"	4·0		99·375		-	-	-	"	-	-	Fired for initial velocity.
"	95	"	"	4·0		99·625	·04	-	-	-	"	-	-	
"	96	"	"	3·9		99·5		-	-	-	"	-	-	
"	97	25	"	4·11		99·250		-	-	-	"	-	-	
"	98	"	"	4·8		99·250		-	-	-	"	-	-	
"	99	"	"	4·9		99·312		-	-	-	"	-	-	

Elevation throughout by quadrant.

The gun was laid at a target 6' × 6', distant 1,000 yards.

The round not numbered and marked with a × is evidently an error of the range serjeant's, who accounted for one more round at that elevation than was actually fired; and, from examination of his book, it would appear that the last round was the interpolated one.

No difficulty occurred in loading; the gun rifled on the French system was loaded somewhat easier than this gun (Shunt).

The iron platform stood remarkably steady, and did not shake under the heavier charges. The "stop" for the recoil is, it is thought, placed too far forward, and is not strong enough, for when the gun was allowed to recoil so as to strike it, it was started, as also was the projecting stop in the top carriage. The stop on the platform should be a moveable one.

The compressor (No. 5) answers very well. It is superior to the one (No. 4) used with the other gun. The binged position should be furnished with a shoulder, so as to prevent it dropping down horizontal on the gun being fired, and so prevent any mistake on the part of the person putting it on.

The diameter of the trunnion holes on the top carriages being 10", whereas the diameter of the trunnions were only 8", the difference had to be made up with pieces of wood.

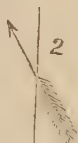
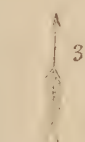
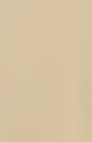
For future practice, the trunnions have had iron rings put on.

Shot - - -	{	Length - - -	-	-	-	-	-	-	-	11·516 inches.
		Length of bearing - - -	-	-	-	-	-	-	-	7·96 "
		Diameter over body - - -	-	-	-	-	-	-	-	6·96 "
		Diameter over two studs - - -	-	-	-	-	-	-	-	7·225 "
Cartridge - - -	{	Length, including wad—12 lbs. charge - - -	-	-	-	-	-	-	-	13·9 inches.
		Length, including wad—20 lbs. charge - - -	-	-	-	-	-	-	-	19·4 "
		Length, including wad—25 lbs. charge - - -	-	-	-	-	-	-	-	21·9 "
		Diameter - - -	-	-	-	-	-	-	-	6·5 "

(signed) *F. Eardley Wilmot*, Colonel,
Commandant and Superintendent.

REPORT OF THE ORDNANCE SELECT COMMITTEE

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
April 6	1	20	10	3·6	Elongated cast-iron common shell, filled with sand, and plugged.	92·375	·065	13·3	4,533	-	Nil	-	23·2	
"	2	"	"	4·9		92·437		13·6	4,676	-	"	-	25·2	
"	3	"	"	4·6		91·687		13·4	4,614	-	"	-	25·0	
"	4	"	"	4·3		92·937		13·3	4,587	-	"	-	26·4	
"	5	"	"	4·3		91·687		13·2	4,536	-	"	-	43·8	
"	6	"	"	5·5		92·312		13·5	4,622	-	"	-	38·0	
"	7	"	"	4·6		92·937		13·3	4,617	-	"	-	39·4	
"	8	"	"	4·8		92·312		13·5	4,649	-	"	-	39·6	
"	9	"	"	4·6		93·0		13·2	4,586	-	"	-	38·2	
"	10	"	"	4·6		91·875		13·6	4,645	-	"	-	31·4	
"	11	"	"	4·5		92·250		13·5	4,650	-	"	-	36·6	
"	12	"	"	4·10		92·687		13·5	4,627	-	"	-	41·2	
"	13	"	"	4·6		92·125		13·2	4,516	-	"	-	37·6	
"	14	"	"	4·9		92·437		13·3	4,533	-	"	-	40·0	
"	15	"	"	4·10		92·875		13·3	4,528	-	"	-	28·6	
"	16	"	"	4·9		92·250		13·2	4,578	-	"	-	32·2	
"	17	"	"	4·7		93·437		13·2	4,518	-	"	-	26·0	
"	18	"	"	5·0		93·625		13·4	4,600	-	"	-	26·6	
"	19	"	"	4·9		92·687		13·2	4,516	-	"	-	27·2	
"	20	"	"	4·9		91·750		13·4	4,628	-	"	-	24·6	
"	21	"	5	5·6		92·125		7·6	2,864	-	"	-	7·2	
"	22	"	"	5·2		92·375		7·6	2,814	-	"	-	8·4	At this round a through bolt of left rear flange gave way, a portion of the head breaking off; bolt too small for hole.
"	23	"	"	5·5		93·125		7·5	2,844	-	"	-	10·0	
"	24	"	"	5·3		92·187		7·5	2,808	-	"	-	8·6	
"	25	"	"	5·6		92·687		7·6	2,882	-	"	-	9·6	

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1865:		Lbs.	°	Dry. Feet.	Elongated cast-iron common shell, filled with sand, and plugged.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	Compressor slack.
April 6	26	20	5	4.11		91.875		Not observed.	2,744	-	Nil	-	7.4	
"	27	"	"	5.2		92.312		"	2,826	-	"	-	4.6	
"	28	"	"	5.0		92.250		7.6	2,805	-	"	-	6.2	
"	29	"	"	5.3		92.937		Not observed.	2,778	-	"	-	3.8	
"	30	"	"	4.9		92.937		"	2,747	-	"	-	4.6	
"	31	"	"	4.9		91.625		7.5	2,796	-	"	-	7.0	
"	32	"	"	4.9		91.625		7.3	2,762	-	"	-	4.6	
"	33	"	"	5.3		92.687		Not observed.	2,852	-	"	-	2.0	
"	34	"	"	5.3		92.250		7.4	2,794	-	"	-	4.8	
"	35	"	"	5.6		92.5		7.0	2,866	-	"	-	6.6	
"	36	"	"	4.10		91.5		7.6	2,820	-	"	-	1.4	
"	37	"	"	4.9		92.312		7.4	2,753	-	"	-	3.0	
"	38	"	"	5.3		92.187		7.2	2,825	-	"	-	3.2	
"	39	"	"	5.4		92.625		7.3	2,784	-	"	-	4.6	
"	40	"	"	5.10	92.5	.065	7.3	2,825	-	"	-	3.6	Compressor slack from this round to end of experiment.	
"	41	"	2	-	Same shells as above, filled with powder, and plugged.	93.250		-	-	-	"	-	-	These shells contained 6.625 lbs. of powder, and were fired out to sea, to ascertain if the shell would burst.
"	42	"	"	-		92.625		-	-	-	"	-	-	
"	43	"	"	-		92.0		-	-	-	"	-	-	
"	44	"	"	-		92.312		-	-	-	"	-	-	
"	45	"	"	-		93.062		-	-	-	"	-	-	
"	46	"	"	6.6	Elongated cast-iron common shell, filled with sand, and plugged.	92.5		3.4	1,520	-	"	-	.6	Shell broke up at muzzle of gun.
"	47	"	"	6.0		91.812		3.4	1,432	-	"	-	.6	
"	48	"	"	5.11		93.437		3.4	1,421	-	"	.8	-	
"	49	"	"	6.6		92.375		-	1,028	-	"	-	7.6	
"	50	"	"	6.3		92.062		3.3	1,406	-	"	-	1	
"	51	"	"	6.0		91.750		3.3	1,410	-	"	-	.6	
"	52	"	"	6.0		91.812		3.4	1,445	-	"	-	.6	
"	53	"	"	6.0		93.437		3.6	1,476	-	"	.8	-	
"	54	"	"	6.6		91.562		3.5	1,459	-	"	Line.	-	







REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 288, Rifled on Shunt System—*continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1865:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
April 6	55	20	2	6·0	Elongated cast-iron com- mon shell, filled with sand, and plugged.	92·125	·065	Not observed.	1,540	—	Nil	—	·6	
"	56	"	"	6·3		92·687		3·5	1,494	—	"	·2	—	
"	57	"	"	6·3		92·125		3·4	1,430	—	"	—	·6	
"	58	"	"	6·3		92·687		3·6	1,449	—	"	—	1·2	
"	59	"	"	6·0		92·625		3·5	1,400	—	"	—	·8	
"	60	"	"	6·0		93·062		3·5	1,422	—	"	—	·6	

Elevation throughout by quadrant. The gun was laid at a target 6' × 6', distant 1,000 yards.

Gun mounted on a new (garrison sliding) experimental carriage, and a new experimental wood platform. Slope 7° 37', on "A" racer.

Carriage.				Platform.		
				Cwt.	qrs.	lbs.
Weight	—	—	—	22	0	12

NATURE of CARRIAGE, and REMARKS.

1st. *To facilitate running out.*—The front rollers are fixed on eccentric axles, and brought into action by iron levers, one to man each; rear rollers and roller handspikes are dispensed with.

The running out was done simply and easily by two men to each lever, as soon as they got accustomed to it, which was in about three or four rounds. I think that the lever should be removed each round, perhaps a capstan head on the axle, and the lever an iron bar to fit in, would be found to answer better than the present mode.

2d. *Elevating Arrangement.*—A worm-wheel is attached to the spindle of the rack and pinion, in lieu of the capstan head and lever, and the clamping arrangement is dispensed with. One man works the worm-wheel.

Answered very well, but I think the worm-wheel should be arranged parallel to the cheek of the carriage; it would then be capable of being worked by No. 1, while laying the gun, and at the same time less liable to injury.

Compressor.—The ordinary inside wood compressor is supplied, but a chain and hook have been added to the rear block of the carriage to hook into the handle of the compressor, to keep it in position. The chain can be tightened by means of a screw and lever handle.

Chain hook found very awkward to manage, and the handle of the compressor should be longer so as to afford a better hold when tightening. The former method of fastening the compressor when tightened preferred; it was also noticed that the hook jumped out of the ring in handle nearly every round.

PLATFORM, and REMARKS.

1st. *Slope of Platform.*—In order to reduce the recoil, the platform is at 7° slope instead of 5°, and stops are fixed to it, so as to bring up the carriage at a recoil of 7 feet.

The increased slope appears to be an advantage, as it materially assists the running up.

2d. *Traversing Arrangement.*—In order to facilitate the traversing, large rear trucks 18" diameter have been substituted for the ordinary 12" one.

Holes are drilled in the circumference of the truck, into which a pointed lever is inserted; one man can traverse easily.

I think this would answer very well, but in the present instance the racer had sunk from constant firing, rendering it difficult to traverse.

I think the mode of fixing the traverse wheels should be stronger, as it has given way slightly either from too much play, or from the bolt being too weak, the result being—the upper edge of right traverse wheel rests against the rear flange.

Shell	-	Length	-	-	-	17·25 inches	{	Diameter of body, and one stud	-	-	7·21 inches
		Length of bearing	-	-	-	10·38 "		Weight, empty	-	-	92 lbs.
		Diameter of body	-	-	-	6·935 "		Capacity	-	-	6 lbs. 10 oz.
Studs (5)	-	Length	-	-	-	0·84 inches	{	Cartridge (20 lb. charge)	Length	-	19·4 inches
		Diameter	-	-	-	0·61 "			Diameter	-	6·5 "

Thirty-seven shells have been recovered.

No. 4 has one stud out; No. 49 has three studs out; No. 26 has two studs out; No. 32 has one stud out; No. 22 has one stud out. The studs appear to be but very little worn.

(signed) *F. Eardley Wilmot*, Colonel,
Commandant and Superintendent.

REPORT of EXPERIMENTAL PRACTICE with a 7·1-inch Gun, Expl. No. 125, Rifled with Shallow Grooves.
Mr. Jeffery's Expanding Lead Coated Projectiles.

Height of Axis of Gun above Plane, 17½ feet.

Weight, 82 cwt. 1 qr.

Wind, N. 2 to 3.

Length, 9½ feet.

Direction of Wind.

Ordinance - Diameter of bore, 7·1 inches.

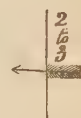
Spiral, if Rifled, not known.

Grooves, No 15. Width, ·73 inches. Depth, ·05 inches.



Preliminary Practice.

Date.	Shot. Hard or Soft Lead on.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
						Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1863 :			Lbs.	°	Feet.		Lbs.	"	Yards.			Yards.	Yards.		
June 25	S.	1	12	10	6·0	Compound shot.	99·750	-	Not observed.	4,050	-	Nil	-	26·	Sounded a little un- steady.
"	S.	2	"	"	5·1		99·500	-	12·4	4,001	-	"	-	22·	
June 26	S.	3	16	"	Breeching taut.		100·312	-	13·0	4,032	-	"	-	11·	
"	H.	4	12	"	4·0		99·750	-	12·4	3,988	-	"	-	4·2	
"	H.	5	"	"	4·2		99·750	-	12·4	3,949	-	"	-	19·	
"	H.	6	16	"	Breeching taut.		99·875	-	13·3	4,185	-	"	-	23·	
"	L. & A.	7	12	"	4·4		99·000	-	12·4	3,998	-	"	-	14·	
"		8	"	"	4·3		99·000	-	12·4	3,942	-	"	-	30·4	
"	L. & T.	9	"	"	3·10		98·625	-	12·6	3,974	-	"	-	11·6	
"		10	"	"	3·10		98·875	-	12·5	3,953	-	"	-	7·	
"	L. & A.	11	16	"	Breeching taut.		98·750	-	13·0	4,259	-	"	-	20·	
"	L. & T.	12	16	"	"		98·875	-	Not observed.	4,083	-	"	-	11·2	

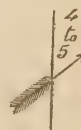


Elevation by quadrant. The whole of the projectiles have been recovered; the lead is off Nos. 1 and 2. Rounds 3 to 12 of the above practice were fired in presence of the O. S. Committee. Shot: length 12½ inches; diameter omitted to be taken.

(signed) A. J. Taylor, Col., R. A.,
Comdt. and Supt.

Preliminary Practice—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1863 :		Lbs.	°	Feet.		Lbs.		"	Yards.			Yards.	Yards.	
Sept. 21	1	1·0	10	2"	Compound shot, coated with hard lead.	99·500	The diameter of the projectiles was not taken, a portion being covered with a greased flannel envelope.	3·9	348	-	Nil	-	1·6	Wobbled.
"	2	2·0	"	6½"		100·0		4·8	638	-	"	5·4	-	
"	3	3·0	"	10½"		99·500		6·0	942	-	"	-	21·	
"	4	4·0	"	1' 5"		99·250		5·7	1,043	-	"	-	4·	
"	5	5·0	"	1' 10½"		99·375		8·0	1,550	-	"	-	13·	Rather steady at first, wobbled afterwards.
"	6	6·0	"	3·4		99·625		10·0	2,534	-	"	6·	-	
"	7	7·0	"	4·4		99·250		11·0	3,256	-	"	-	14·	Unsteady.
"	8	8·0	"	5·1		99·0		13·6	3,368	-	"	-	14·	



REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7·1-inch Gun, Expl. No. 125, Rifled with Shallow Grooves—Preliminary Practice—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1863 :		Lbs.	°	Feet.		Lbs.	"	Yards.				Yards.	Yards.	
Sept. 21	9	9·0	10	5·10	Compound shot, coated with hard lead.	99·500	The diameter of the projectiles was not taken, a portion being covered with a greased flannel envelope.	12·0	3,700	-	Nil	-	17·	Steady.
"	10	10·0	"	6·5		99·625		11·4	3,579	-	"	-	26·	Unsteady.
"	11	11·0	"	7·4½		99·500		12·3	3,984	-	"	-	29·	Steady.
"	12	12·0	"	8·3		100·0		Not observed.	4,131	-	"	-	12·4	A little unsteady.
"	13	16·0	"	To the stops ; sand thrown on the platform.		99·625		13·0	4,222	-	"	-	19·	A little unsteady.
"	14	"	"			98·750		12·6	4,097	-	"	-	13·	
"	15	"	"			99·375		13·1	4,345	-	"	-	34·	Very steady.
"	16	"	"			99·500		13·2	4,357	-	"	-	28·6	A little unsteady.

Elevation throughout by quadrant. Some difficulty was experienced in getting the shot home; a heavy metal rammer had to be used. In the last two rounds the projectiles had a wood disc attached to the base. The above practice was carried on in the presence of the O. S. Committee.

(signed) *H. J. Alderson*, Capt., R. A.,
for Comdt. and Supt.

Preliminary Practice—continued.

Alloy of Lead Coating,—1 of Tin to 8 of Lead.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.	
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.
1863 ;		Lbs.	°	Dry. Feet.		Lbs.	"		Yards.			Yards.	Yards.	
Nov. 18	1	12	10	6·0	Compound shot, coated with hard lead.	99·0	-	12·5	3,878	-	Nil	-	5·6	Without disc.
"	2	"	"	6·3		100·0	-	12·4	3,950	-	"	-	2·4	With wood disc.
"	3	16	"	Full length, and stopped by breaching.		99·0	-	13·0	4,274	-	"	11·4	-	Without disc.
"	4	"	"			Ran up after re- coiling.	99·0	-	13·0	4,237	-	"	26·	-



Elevation by quadrant. At the first round the breaching was hardly taut. No compressor used. The shot had a double flannel envelope (greased), but as they were too high, and could not be got into the gun, the outer one was removed. The length of the shot is 12½ inches. The diameter of the shot is 6·96 inches (over iron). The projectiles have been recovered, and will be sent to Woolwich by next barge.

(signed) *H. J. Alderson*, Capt., R. A.,
for Comdt. and Supt.

Competitive Practice.

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 208, Rifled with Shallow Grooves:
Mr. Jeffery's Expanding Lead-coated Projectiles.

Height of Axis of Gun above Plane, $17\frac{1}{2}$ feet.

Ordinance - { Weight, 149 cwt.
Length, 11 feet; $10\frac{1}{2}$ feet of bore.
Diameter of bore, 7.0 inches.
Spiral, if Rifled, 1 turn in 115 calibres.
Grooves, No. 13. Width, .96 inches. Depth, .1 inch.

Wind, S. E. 3.

Direction of Wind.



Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	"		Yards.			Yards.	Yards.	
July 12	1	25	10	8.0	Compound elongated shot.	109.656	-	13.7	4,406	-	Nil	-	21.6	Unsteady; difficulty in loading.
"	2	"	"	7.7		108.594	-	13.0	4,220	-	"	-	48.6	Unsteady.
"	*3	"	"	7.7		109.562	-	12.4	4,388	-	"	-	25.6	A little unsteady.
"	*4	"	"	7.9		109.156	-	13.8	4,330	-	"	-	41	Unsteady.
"	*5	"	"	7.8		109.625	-	13.0	4,355	-	"	-	60.6	
July 13	6	"	5	8.4		110.062	-	7.6	2,744	-	"	-	2.2	Unsteady.
"	7	"	"	7.10		109.125	-	6.7	2,271	-	"	-	7.4	
"	8	"	"	8.0		109.250	-	7.3	2,631	-	"	-	3.6	
"	9	"	"	8.3		109.641	-	6.5	2,453	-	"	-	7.2	
"	10	"	"	8.0		110.375	-	7.4	2,698	-	"	-	9.6	Unsteady; stripped.
"	11	"	"	8.1		109.375	-	7.4	2,613	-	"	-	37.6	
"	12	"	"	8.1		110.594	-	7.0	2,531	-	"	10	-	Unsteady; wind changed.
"	13	"	"	8.3		110.187	-	7.4	2,700	-	"	-	15.6	Steady; stripped.
"	14	"	"	8.6		109.937	-	7.3	2,494	-	"	-	14.2	Stripped.
"	15	"	"	8.0		109.875	-	7.2	2,484	-	"	-	12.2	



Lubricators, with a dry sponge, were used on both days.

* The greased flannel envelope was taken off the base of the shot these rounds, and was not used at all in the practice on the 13th July.

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 208, Rifled with Shallow Grooves—Competitive Practice—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	o	Dry. Feet.		Lbs.		"	Yards.			Yards.	Yards.	
July 14	16	12	0	5.2	Compound elongated shot.	109.656	-	-	-	-	-	-	-	
"	17	"	"	5.0		109.625	-	-	-	-	-	-	-	
"	18	"	"	4.8		110.047	-	-	-	-	-	-	-	
"	19	"	"	4.3		110.734	-	-	-	-	-	-	-	
"	20	"	"	4.0		110.187	-	-	-	-	-	-	-	
"	21	20	"	6.9		109.359	-	-	-	-	-	-	-	
"	22	"	"	6.9		110.859	-	-	-	-	-	-	-	
"	23	"	"	6.7		109.516	-	-	-	-	-	-	-	
"	24	"	"	6.9		109.203	-	-	-	-	-	-	-	
"	25	"	"	6.10		109.781	-	-	-	-	-	-	-	
"	26	25	"	9.0		111.0	-	-	-	-	-	-	-	
"	27	"	"	9.0		109.469	-	-	-	-	-	-	-	
"	28	"	"	9.0		110.234	-	-	-	-	-	-	-	
"	29	"	2	8.3		110.031	-	3.3	1,402	-	Nil	-	1.6	Powder L. G. W. A., A 4., Lot 599, for rounds 26 to 29 inclusive.

The whole of the shot used in these 29 rounds were of the 1st supply; lubricators, with a dry sponge, used. At this stage of the experiment, the gun was withdrawn from the trial, in consequence of the danger attendant upon the stripping of the lead from the projectile.

The gun, during the firing of the 29 rounds, stood on platform with "A" Racer.

28 shot (out of the 29 fired) were recovered and forwarded to Woolwich, in compliance with Letter 20/8/64, Minute 12,769; no note was taken of their state.

(signed) *F. Eardley Wilmot*, Colonel,
Commandant and Supt.

REPORT of EXPERIMENTAL PRACTICE with a 7·1-inch Gun, Expl. No. 125, Rifled with Shallow Grooves:
Mr. Britten's Expanding Lead-coated Projectiles.

Height of Axis of Gun above Plane, 17 feet.

Ordnance { Weight, 82 cwt. 1 qr.
Length, 9 $\frac{5}{8}$ feet.
Diameter of bore, 7·1 inches.
Spiral, if Rifled. Not known.
Grooves, No. 15. Width, ·73 inches. Depth, ·05 inches.

Wind, S. S. W., 3 to 4.
Direction of Wind.



Preliminary Practice.

Date.	Shot. Hard or Soft Lead on.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
						Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1863:			Lbs.	°	Feet.		Lbs.		"	Yards.			Yards.	Yards.	
March 9	S.	1	12	5	5·6	Compound shot.	99·0	—	7·6	2,486	—	Nil	3·2	—	Very noisy in flight.
"	S.	2	16	"	5·11		99·0	—	6·5	1,735	—	"	15	—	A large piece was observed to leave the shot during flight.
"	S.	3	20	"	6·8		99·0	—	7·2	2,395	—	"	14·4	—	Noisy in flight.
"	S.	4	22	"	7·11		98·0	—	7·5	2,526	—	"	13·8	—	- ditto.
"	H.	5	24	"	8·0		100·0	—	7·2	2,192	—	"	9·	—	A little noisy.
"	S.	6	14	2	6·3		99·0	—	3·3	1,217	—	"	8·4	—	Some lead came off during flight, and struck the road in front of gun.
"	S.	7	"	"	6·0		98·0	—	3·2	1,206	—	"	9·8	—	Some lead came off during flight, and ricocheted along sand, 30 yards in front of gun.
"	H.	8	"	"	6·0		99·0	—	3·2	1,069	—	"	4	—	Some lead came off; a large piece struck the road in front of gun.
"	S.	9	"	5	5·6		98·0	—	7·3	2,236	—	"	16	—	A little unsteady; some lead came off, and struck the sand.
"	S.	10	"	"	6·0		99·0	—	7·4	2,370	—	"	18	—	Noisy; a large piece of lead came off, went 200 yards.
"	S.	11	10	"	3·9		100·5	—	6·3	1,944	—	"	6	—	Tolerably steady; one piece of lead off.
"	H.	12	"	"	3·8		100·0	—	7·3	2,278	—	"	—	·4	Tolerably steady; no stripping observed.
"	S.	13	12	10	4·6		98·0	—	13·2	3,536	—	"	17	—	Tolerably steady; one piece of lead off.
"	H.	14	"	"	4·6		99·0	—	12·3	3,410	—	"	15	—	Tolerably steady; no stripping observed.

Elevation by quadrant 5° 11' on target 6' × 6', distant 1,000 yards.

Length of projectiles, 11 $\frac{1}{2}$ inches.

Portions of the lead which stripped, and the recovered shot, will be forwarded to the O. S. C.

A slight alteration was made in the programme, at Mr. Britten's request, to see if the shot would go better with a smaller charge than that laid down. In some of the shot the rifling of the gun is distinctly marked on the iron part. The lead has more or less stripped from each of the shot.

(signed) A. J. Taylor, Col. R. A.,
Comdt. and Supt.

REPORT OF THE ORDNANCE SELECT COMMITTEE

EXPERIMENTAL PRACTICE with a 7·1-inch Gun, Expl. No. 125, Rifled with Shallow Grooves—Preliminary Practice—*continued.*

Date.	Lead Coating on the Projectile.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.	
						Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.		
1863 :			Lbs.	°	'	Feet.	Compound shot.	Lbs.		"	Yards.			Yards.	Yards.	
May 6	S.	1	12	5	0	4·6		100·0	-	6·7	2,090	-	Nil	-	-	Tolerably steady.
"	S.	2	14	4	50	5·0		100·0	-	7·1	2,140	-	Right. 6'	-	-	- - ditto.
"	H.	3	14	4	30	Not observed.		100·5	-	6·5	2,075	-	8'	-	-	Four pieces of lead in the screens.
"	S.	4	16	4	20	5·3	101·0	-	6·3	2,060	-	12'	-	-		

Elevation by tangent, at a target distant 2,000 yards.

Screens were put up in front of the gun to show the stripping of the lead, several pieces of which were found in the screens, after the practice.

The projectiles used in this experiment had been previously fired, and were returned to Woolwich to be re-loaded.

The above practice was carried on when the tide was in ; the ranges were observed from the shore.

(signed) *A. J. Taylor*, Col. R.A.,
Commandant and Superintendent.*Preliminary Practice—continued.*

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1863 :		Lbs.	°	Feet.		Mean.	Mean.	"	Yards.			Yards.	Yards.	
June 24	1	12	2	3·11	Compound shot.	99·625	-	Not observed.	1,017	-	Nil	-	In line	Steady in flight.
"	2	12	"	4·7				2·6	938	-	"	4·6	-	A little unsteady.
"	3	14	"	4·8				3·2	1,094	-	"	-	11·6	Unsteady.]
"	4	14	"	5·0				2·8	966	-	"	-	10	
"	5	12	5	4·4				6·4	2,113	-	"	-	10	A little unsteady.
"	6	12	"	4·3				6·0	2,001	-	"	8	-	
"	7	14	"	4·9				6·6	1,915	-	"	4·6	-	A little unsteady.]
"	8	14	"	4·9				6·8	1,915	-	"	4	-	

Elevation by tangent, at a target distant 1,000 yards.

The projectiles used in this experiment had been previously fired, and were returned to Woolwich to be re-loaded.

Those fired in the 4th and 8th rounds were coated with "hard lead."

(signed) *A. J. Taylor*, Col. R.A.,
Commandant and Superintendent.

EXPERIMENTAL PRACTICE with a 7.1 inch Gun, Expl. No. 125, Rifled with Shallow Grooves—Preliminary Practice—continued.

PROJECTILES (Re-loaded; no Alloy in the Lead).

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.		REMARKS.		
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.		Right.	
1863 :		Lbs.	°	Dry. Feet.	Compound shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.		
Dec. 3	1	12	5	4.3		103.250		7.4	2,136	-	Nil	-	9'	Unsteady.	
"	2	"	"	4 0		104.000		7.0	1,638	-	"	-	38.4	With wood bottom, very unsteady; a portion of the wood bottom is supposed to have hung to the shot.	
"	3	14	"	4.8		103.500		6.5	1,998	-	"	-	24'	Unsteady.	
"	4	"	"	4.10		105.000		6.6	2,157	-	"	6.2	-	Wood bottom loose; this shot sounded as if much steadier.	
"	5	16	"	4.10		103.500		6.8	2,412	-	"	-	4'	Wood bottom loose; shot very steady.	
"	6	"	"	5.3		103.562	.14	6.5	2,258	-	"	-	10'	Unsteady.	
"	7	"	10	5.0		102.562		12.1	4,056	-	"	-	38'	With the wood bottom loose; shot tolerably steady.	
"	8	"	"	5.0		101.625		Not observed.	4,035	-	"	-	29'		
"	9	"	"	5.3		101.500		12.5	4,189	-	"	-	32'		
"	10	"	"	5.6		103.125		12.6	4,057	-	"	-	34'	Unsteady.	
"	11	"	"	5.4		102.375		Not observed.	3,646	-	"	-	31'		
"	12	"	"	5.2	103.000		12.4	4,018	-	"	-	14'	A little unsteady.		

Elevation by quadrant. Gun laid at top of a target 6' x 6', distant 1,000 yards.

No difficulty occurred in loading.

The mean length of the projectile is 11.68 inches.

The mean diameter of the projectile is 6.96 inches.

The wood bottom in the 2d round was fastened to the base of the shot with nails; in all the succeeding rounds, where wood bottoms were used, they were not fastened to the shot.

The shot have all been recovered, and will be sent to Woolwich for the inspection of the Ordnance Select Committee.

The wood bottoms seem to prevent the lead from being forced off the top side of the shot, by the gas escaping over them; this is very marked in rounds 10, 11, and 12, fired without the wood bottom.

(signed) A. J. Taylor, Col., R. A.,
Commandant and Superintendent.

EXPERIMENTAL PRACTICE with a 7·1-inch Gun, Expl. No. 125, Rifled with Shallow Grooves—Preliminary Practice—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
Jan. 1	13	12	5	4·0	Compound shot.	103·0	·14	4·5	1,257	—	Nil	—	40·	A little unsteady.
"	14	"	"	4·0		102·5		4·8	1,407	—	"	—	9·	} Very unsteady.
"	15	"	"	5·0		102·5		5·9	1,661	—	"	—	8·	
"	16	14	"	6·2		101·125		6·4	1,612	—	"	—	37·	} ditto.
"	17	"	"	5·7		102·250		7·0	1,965	—	"	—	28·	
"	18	"	"	5·8		104·5		6·6	2,212	—	"	—	19·	Appeared steady.
"	19	16	"	6·0		102·0		7·0	2,223	—	"	—	15·	Unsteady.
"	20	"	"	6·0		101·5		5·2	1,550	—	"	—	31·	} Very unsteady.
"	21	"	"	6·9		102·750		6·8	1,872	—	"	—	40·	
"	22	"	"	6·9		102·5		6·8	1,762	—	"	—	32·	
"	23	"	10	6·0		103·250		12·3	3,646	—	"	—	26·	A little unsteady.
"	24	"	"	6·9		100·0		12·0	3,255	—	"	—	32·	Unsteady.
"	25	"	"	6·6		101·625		12·7	2,910	—	"	—	39·	} Very unsteady.
"	26	"	"	6·6		102·250		11·4	2,800	—	"	—	72·	
"	27	"	2	7·9		102·250		3·2	1,040	—	"	—	2·	Very unsteady ; breeching rope taut.
"	28	"	"	8·0		102·875		3·4	1,242	—	"	—	18·	A little unsteady.
"	29	"	"	7·6		101·0		1·9	680	—	"	—	12·	} Very unsteady.
"	30	"	"	7·0		101·750		2·4	758	—	"	—	19·	

Elevation by quadrant. Gun laid at a target 6' × 6', distant 1,000 yards. The gun was mounted on a garrison sliding carriage, on temporary platform; slope 6°. A wood bottom, loose, was used throughout. The shot, wood bottom, and cartridge were all rammed home together. No difficulty occurred in loading. The practice was carried out in the manner requested by Mr. Britten, *i.e.* with regard to the elevation. The wooden bottom is placed with concave side next to the projectile. In flight the shot appeared to travel in a curved line, thus . The diameter of several of the recovered projectiles (which were well marked with the rifling) was taken and found to be less than 7·1 inches (the diameter of the gun). All the recovered shot will be sent to Woolwich by the next barge.

(signed) A. J. Taylor, Col., R. A.,
Comdt. and Supt.

Preliminary Practice—continued.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864 :		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
April 20	1	14	5	5·3	Compound shot.	99·0	·11	Not observed.	2,266	—	Nil	3·2	—	Unsteady.
"	2	"	"	5·4		99·5		8·2	2,320	—	"	—	15·	- ditto.
"	3	"	"	5·9		99·0		6·2	1,966	—	"	—	31·	Very unsteady.
"	4	16	"	6·3		98·375		7·3	2,224	—	"	—	40·	- ditto.
"	5	"	"	6·3		98·5		6·9	2,145	—	"	14·	—	- ditto.
"	6	"	"	5·9		98·250		6·6	2,212	—	"	—	1·2	A little unsteady.

Elevation by quadrant. Gun laid at a target 6' × 6', distant 1,000 yards. Wood bottom, loose, were used with the above shot. Four of the shot have been recovered, and will be sent to Woolwich.

(signed) C. R. Reeves, Lieut., R. A.,
2d Asst. Supt., for Comdt.

REPORT of EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 208, Rifled with Shallow Grooves.

Height of Axis of Gun above Plane, 17½ feet.

Ordinance - { Weight, 149 cwt.
Length, 11 ft. 10½ in. of bore.
Diameter of bore, 7·0 inch.
Spiral, if rifled, 1 turn in 115 calibres.
Grooves, No. 13. Width, ·96 inches. Depth, ·1 inch.

Wind, S. E. 3.
Direction of Wind.



Competitive Practice.

Date.	Number of Round.	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864 :		Lbs.	°	Dry. Feet.	Compound elongated shot.	Lbs.	Mean.	"	Yards.			Yards.	Yards.	
12 July	1	25	10	8·3		111·375	-	12·0	3,864	-	Nil	8·4	-	Unsteady.
"	2	"	"	7·10		110·750	-	14·0	3,922	-	"	265·4	-	Very unsteady.
"	*3	"	"	7·9		111·875	-	13·8	3,505	-	"	-	314·6	- ditto.
"	*4	"	"	7·5		110·875	-	11·6	3,604	-	"	-	3·8	Unsteady.
"	5	"	"	8·1		111·625	-	11·7	3,554	-	"	+	14·2	
"	6	"	5	7·10		105·0	-	7·0	2,528	-	"	-	15·4	Unsteady.
"	7	"	"	7·7		108·0	-	7·4	2,525	-	"	-	9·6	
"	8	"	"	7·9		109·5	-	8·0	2,689	-	"	15·4	-	
"	9	"	"	7·9		108·0	-	7·0	2,509	-	"	-	24·6	
"	10	"	"	7·8		109·0	-	7·0	2,543	-	"	-	22·6	A little unsteady.
"	11	"	"	8·0		109·0	-	7·0	2,483	-	"	2·	-	Wind changed. Un- steady. Truck lever gone.
"	12	"	"	7·9		107·5	-	7·0	2,556	-	"	-	19·8	
"	13	"	"	7·9		107·750	-	7·0	2,450	-	"	-	·6	
"	14	"	"	8·0		108·375	-	7·3	2,572	-	"	-	12·6	
"	15	"	"	8·0		108·0	-	6·6	2,303	-	"	-	Line	



* No lubricant used with these two rounds.

In the practice of the 13th July, the wood bottom was taken off the shot, and a portion of the lead cut away.

14 July	16	12	0	5·8	Compound elongated shot.	108·062	-	-	-	-	-	-	-	Brand of Powder, L. G. W. A. A. 4. 14/11/63. Lot 670.
"	17	"	"	4·10		108·062	-	-	-	-	-	-	-	
"	18	"	"	4·7		110·0	-	-	-	-	-	-	-	
"	19	"	"	4·2		110·250	-	-	-	-	-	-	-	
"	20	"	"	3·10		109·062	-	-	-	-	-	-	-	
"	21	20	"	8·9		108·5	-	-	-	-	-	-	-	Fired for initial velocity.
"	22	"	"	8·0		109·0	-	-	-	-	-	-	-	
"	23	"	"	7·6		110·0	-	-	-	-	-	-	-	
"	24	"	"	6·9		110·250	-	-	-	-	-	-	-	
"	25	"	"	6·10		109·062	-	-	-	-	-	-	-	

EXPERIMENTAL PRACTICE with a 7-inch Gun, Expl. No. 208, Rifled with Shallow Grooves—Competitive Practice—*continued*.

Date.	Number of Round	Charge.	Elevation.	Recoil Platform, Wet or Dry.	Projectile.			Times and Mean Time of Flight.	Range, 1st Graze.	Diff. of Range.	Deflection.			REMARKS.
					Nature.	Weight and Mean Weight.	Windage, in Inches.				Correction Allowed for.	Left.	Right.	
1864:		Lbs.	°	Dry. Feet.		Lbs.	Mean.	"	Yards.			Yards.	Yards.	
July 14	26	25	0	7·9	Compound elongated shot.	110·0	-	-	-	-	-	-	-	Fired for initial velocity.
"	27	"	"	7·6		110·062	-	-	-	-	-	-	-	
"	28	"	"	7·4		109·750	-	-	-	-	-	-	-	
"	29	"	"	7·3		109·375	-	-	-	-	-	-	-	
"	30	"	"	7·9		110·125	-	-	-	-	-	-	-	Unsteady. Difficulty in loading this round.
"	31	"	2	8·9		110·0	-	3·0	1,220	-	Nil	-	2·6	
"	32	"	"	8·6		110·0	-	3·0	1,485	-	"	8·4	-	
"	33	"	"	8·3		107·625	-	Not observed.	1,454	-	"	1·	-	
"	34	"	"	8·4		108·250	-	3·4	1,406	-	"	1·4	-	
"	35	"	"	8·6		109·625	-	3·3	1,340	-	"	14·4	-	
"	36	"	"	8·9		109·625	-	2·8	1,196	-	"	9·4	-	
"	37	"	"	8·3		109·5	-	3·5	1,286	-	"	6·4	-	
"	38	"	"	8·4		109·750	-	3·8	1,487	-	"	-	3·	
"	39	"	"	8·3		108·5	-	3·2	1,243	-	"	2·4	-	
"	40	"	"	8·6		107·687	-	3·8	1,495	-	"	10·4	-	



The whole of the shot used in these 40 rounds were of the first supply.

In rounds 31 to 40 the wood bottom was taken off the shot, and a portion of the lead cut away. At this stage of the experiment the gun was withdrawn from the trial in consequence of the danger attendant upon the stripping of the lead from the projectile.

The gun, during the firing of the 40 rounds, stood on platform with A racer.

Thirty-eight shot (out of the 40 rounds fired) were recovered, and forwarded to Woolwich, in compliance with letter, 20/8/64, Minute, 12,769.

No note was taken of their state.

(signed) F. Eardley Wilmot, Col.,
Commdt. and Supt.

R I F L E D G U N S.

COPY of the REPORT of the ORDNANCE SELECT
COMMITTEE on the TRIALS in firing SHOT from
the 7-inch Competition GUNS, Rifled on the
LANCASTER, FRENCH, and SCOTT SYSTEMS.

(*Mr. Henry Baillie.*)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

[*Price 2s. 8d.*]

459.

Under 12 oz.

ARMY (SOLDIERS DROWNED, &c.).

RETURN to an Address of the Honourable The House of Commons,
dated 12 May 1865;—for,

“ RETURNS of the Number of NON-COMMISSIONED OFFICERS and SOLDIERS of HER MAJESTY’S LAND FORCES who were DROWNED at the various MILITARY STATIONS of the UNITED KINGDOM during the Year 1864 :”

“ And, of all MILITARY STATIONS in the UNITED KINGDOM where Arrangements are made for the Instruction of SOLDIERS in the Art of SWIMMING; describing, shortly, the Nature of such Arrangements, the Expenses which they severally entail, the Funds whence such Expenses are defrayed, and the Number of Soldiers who received such Instruction.”

War Office, }
25 May 1865. }

HARTINGTON.

RETURN of the Number of NON-COMMISSIONED OFFICERS and SOLDIERS of HER MAJESTY’S LAND FORCES who were DROWNED at the various MILITARY STATIONS of the UNITED KINGDOM during the Year 1864.

Twenty-seven.

RETURN of all MILITARY STATIONS in the UNITED KINGDOM where Arrangements are made for the Instruction of SOLDIERS in the Art of SWIMMING: describing, shortly, the Nature of such Arrangements, the Expenses which they severally entail, the Funds whence such Expenses are defrayed, and the Number of Soldiers who received such Instruction.

No such arrangements were made in 1864.

On the 27th March 1865 a Circular General Order, No. 864, was issued on the subject of gymnastic instruction for the army, from which the following is an extract:—

“ SWIMMING.

“ 23. Although the practice of swimming has not been included in the gymnastic instructions, it is an exercise of the greatest value, not only in a sanitary point of view, but also as conferring a distinct professional advantage on the soldier; it is therefore to be taught as a military duty at all stations where facilities for it exist.

“ 24. During the proper season regular bathing parades are to be formed for the purpose of instruction in swimming, and the troops (except those in possession of the certificates prescribed in paragraph 27) are to be prohibited from bathing at any other times than those published in orders.

“ 25. The skilled swimmers in each troop or company should be ascertained, and so distributed that there should be a sufficient number in each squad to teach the rest; the inducement for so acting as instructors being the privilege of bathing at other times than the regular swimming parades.

“ 26. A standing picquet should be appointed, consisting of a non-commissioned officer and three privates (except swimmers), whose duty it would be to see that none but men in possession of a certificate are allowed to bathe, except under the superintendence of the instructor at the regular swimming parade, to prevent men from staying too long in the water, to be prepared to jump in to the assistance of any man in danger, and, in the event of accident, to follow, to the best of their ability, the Instructions for the recovery of the apparently drowned, printed by the Royal National Lifeboat Institution, a copy of which (as published to the army in the Circular Memorandum of 4th August 1864) is to be posted at all bathing-places used by the troops. Should an accident occur, one man of the picquet is to be immediately dispatched for the nearest medical officer.

“27. A list of swimmers is to be kept in each troop and company, and each man whose name is contained therein is to be furnished with a card or certificate signed by the captain or officer commanding, which will be an authority for him to bathe (subject to local regulations) at other times than those fixed for swimming parades. Periodical trials are to be made of men who claim to have learnt to swim during the month, and all who are found competent are to receive certificates, and to have their names added to the list of swimmers. These trials are to be made under the superintendence of an officer.

“28. Strict attention to these rules will, it is hoped, prevent the recurrence of the accidents and loss of life among the troops, which have hitherto occurred through incautious bathing on the part of soldiers unable to swim.”

As regards swimming, arrangements have not yet been matured for carrying the above circular into effect.

ARMY (SOLDIERS DROWNED, &c.)

RETURNS of the Number of NON-COMMISSIONED OFFICERS and SOLDIERS of HER MAJESTY'S LAND FORCES who were DROWNED at the various MILITARY STATIONS of the UNITED KINGDOM during the Year 1864; and, of all MILITARY STATIONS in the UNITED KINGDOM where Arrangements are made for the Instruction of SOLDIERS in the Art of SWIMMING; &c.

(Colonel Tottenham.)

Ordered, by The House of Commons, to be Printed,
1 June 1865.

ARMY SURGEONS.

RETURN to an Address of the Honourable The House of Commons,
dated 22 May 1865;—for,

“RETURNS of Number of ASSISTANT SURGEONS at present in HER
MAJESTY’S SERVICE, exclusive of the Indian Army:”

“And, of Number of ASSISTANT SURGEONS promoted to the Rank of
SURGEON during the last Three Years, specifying the Number in
each Year.”

War Office, }
25 May 1865. }

HARTINGTON.

RETURN showing Number of ASSISTANT SURGEONS at present in HER
MAJESTY’S SERVICE, exclusive of the Indian Army.

738.

RETURN showing Number of ASSISTANT SURGEONS promoted to the Rank of
SURGEON during the last Three Years.

Year ending 31st March 1863	-	-	-	-	-	16
Year ending 31st March 1864	-	-	-	-	-	19
Year ending 31st March 1865	-	-	-	-	-	20

ASSISTANT SURGEONS.

RETURNS of Number of ASSISTANT SURGEONS
at present in HER MAJESTY'S SERVICE, exclu-
sive of the Indian Army; and, of Number of
ASSISTANT SURGEONS promoted to the Rank
of SURGEON during the last Three Years,
specifying the Number in each Year.

(*Mr. Hasard.*)

Ordered, by The House of Commons, to be Printed.
29 May 1865.

DR. SUTHERLAND.

RETURN to an Address of the Honourable The House of Commons,
dated 22 June 1865 ;—for,

“COPIES of the APPOINTMENT of Dr. *Sutherland* to the Office which he holds
under the War Department.”

“And, of any CORRESPONDENCE which has taken place between the War
Office and the Treasury on the subject of that Appointment.”

War Office, }
26 June 1865. }

HARTINGTON.

Colonel Sir *H. K. Storks* to Dr. *Sutherland*.

Sir,

War Office, 14 October 1857.

WITH reference to the Report on the Organisation, Government, and Direction of the Medical Department of Her Majesty's Army, I am directed by Lord Panmure to inform you that his Lordship has requested Mr. S. Herbert to undertake the additional task of examining the barracks and military hospitals in the United Kingdom, and I am to express his Lordship's wish that you should act in conjunction with Mr. Herbert in the prosecution of this task. The investigation will be conducted in accordance with instructions which have been communicated to Mr. Herbert.

Dr. Sutherland.

I have, &c.
(signed) *H. K. Storks*.

Sir *B. Hawes* to Sir *C. Trevelyan*.

Sir,

War Office, 5 June 1858.

I AM directed by Secretary Major General Peel to acquaint you that upon the Report of the Royal Commission on the Army Medical Department being presented to Lord Panmure, it was considered desirable that certain important questions which were brought forward should be more closely and minutely investigated, and with this view sundry Committees and Sub-Committees were appointed under the Presidency of Mr. Sidney Herbert to follow up and report upon the questions under consideration, in order that Her Majesty's Government might possess the requisite data for arriving at a conclusion as to the proper steps to be taken in organising the hospital and sanitary arrangements of the Army.

These Committees and Sub-Committees are as follows :

The Barrack and Hospital Improvement Committee, consisting of Right Honourable S. Herbert, Dr. Sutherland, Dr. Burrell, a Royal Engineer Officer.

A Committee to draw up a scheme for the reorganisation of the Army Medical Department, consisting of the Director General Army Medical Department, Dr. Sutherland, Dr. Alexander, Sir H. Storks, Mr. Croomes.

Commission to draw up a scheme for Medical School, consisting of Right Honourable S. Herbert, Director General Army Medical Department, Dr. Martin, Sir James Clarke, Dr. Sutherland.

As there are expenses for travelling and attendance arising out of the same, and as the Sub-Committees are offshoots and extensions of the Royal Commission, I am to request the Lords Commissioners of Her Majesty's Treasury will authorise the charges incidental thereon being issued temporarily from Army Funds, and reclaimed as in the case of Royal Commissions from the Vote for Civil Contingencies.

Sir C. Trevelyan.

I am, &c.
(signed) *B. Hawes.*

Sir C. Trevelyan to Sir B. Hawes.

Sir,

Treasury Chambers, 11 June 1858.

IN reply to your letter of the 5th instant, relative to various expenses connected with the organisation of the hospital and sanitary arrangements of the Army, I am commanded by the Lords Commissioners of Her Majesty's Treasury to acquaint you, for the information of Secretary Major General Peel, that as the expenses in question are connected with the detailed application to the administration of the Army of the principles laid down by the Royal Commission, my Lords are of opinion that they ought to form a final charge upon Army Funds.

Sir B. Hawes, K.C.B.

I am, &c.
(signed) *C. E. Trevelyan.*

The Right Hon. Sir G. C. Lewis to Dr. Sutherland.

Sir,

War Office, 2 July 1862.

I HAVE the honour to acquaint you that I have decided on reconstituting the Barrack and Hospital Commission, and I shall be glad to learn that you are willing again to serve as a member. The following officers will be associated with you on this Commission—Major General Sir Richard Airey, who will act as president, Dr. Logan, Inspector General of Hospitals, and Captain Galton, R.E. I have communicated to Sir R. Airey the instructions I have drawn up for the guidance of the Commissioners.

Dr. Sutherland.

I have, &c.
(signed) *G. C. Lewis.*

Dr. Sutherland to the Right Honourable Sir G. C. Lewis.

Sir,

41, New Finchley Road,
4 July 1862.

I HAVE the honour to acknowledge the receipt of your letter of the 2d instant, in which you request to know whether I will act on the Barrack and Hospital Improvement Commission as reconstructed, under the presidency of the Quartermaster General, and in reply I beg to state that it will afford me much pleasure to do so.

The Right Hon.
Sir G. C. Lewis, Bart, M.P., &c. &c.
Minister-at-War.

I have, &c.
(signed) *John Sutherland.*

D. R. SUTHERLAND.

COPIES of the APPOINTMENT of Dr. *Sutherland* to the Office which he holds under the War Department: And, CORRESPONDENCE between the War Office and the Treasury on the subject of that Appointment.

(*Sir Stafford Northcote.*)

*Ordered, by The House of Commons, to be Printed,
28 June 1865.*

719

A R M Y.

RETURN to an Address of the Honourable The House of Commons,
dated 28 February 1865 ;—for,

“RETURNS (in continuation of Parliamentary Paper, No. 239, of Session 1864), showing the manner in which the MEN who have completed their LIMITED SERVICE in the ARMY, in the Years 1860, 1861, 1862, and 1863, have been disposed of:”

“Of the FOREIGN STATIONS from which the MEN taking their DISCHARGES were brought HOME; stating the Number from each, and the Average Cost of Passage:”

“And, of the Average Cost of the said MEN from the Time of Leaving the Head Quarters of their Regiments at the several Stations in the Colonies to the Date of their Discharge, exclusive of the Passage Money.”

War Office, }
3 July 1865. }

HARTINGTON.

(Colonel North.)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

RETURN showing the Manner in which the MEN who have completed their LIMITED SERVICE in the ARMY, in the Years 1860-1, 1861-2, 1862-3, and 1863-4, have been disposed of.

BRANCH OF THE SERVICE.	Number whose Limited Term Expired.	Number Discharged.	Number Re-engaged.
Year 1860-1 :			
Cavalry and Military Train - - - - -	306	189	117
Royal Artillery - - - - -	708	98	610
Royal Engineers - - - - -	155	48	103
Foot Guards - - - - -	101	69	32
Infantry and Staff Corps - - - - -	2,158	1,190	967 1 dead. 4 unknown.
Total - - -	3,428	1,594	1,834
Year 1861-2 :			
Cavalry and Military Train - - - - -	307	190	117
Royal Artillery - - - - -	585	92	493
Royal Engineers - - - - -	88	34	54
Foot Guards - - - - -	80	50	30
Infantry, &c. - - - - -	2,715	1,313	1,399 2 dead. 1 deserted.
Total - - -	3,775	1,679	2,096
Year 1862-3 :			
Cavalry, &c. - - - - -	299	163	136
Royal Artillery - - - - -	492	113	379
Royal Engineers - - - - -	52	15	37
Foot Guards - - - - -	127	85	42
Infantry, &c. - - - - -	3,669	1,646	2,019 1 dead. 3 unknown.
Total - - -	4,639	2,022	2,617
Year 1863-4 :			
Cavalry, &c. - - - - -	354	176	178
Royal Artillery - - - - -	504	80	424
Royal Engineers - - - - -	33	7	26
Foot Guards - - - - -	147	108	41
Infantry, &c. - - - - -	3,842	1,760	2,079
Total - - -	4,880	2,129	2,748 (3 died).
GENERAL TOTAL for Four Years - - -	16,722	7,424	9,295

RETURN of the FOREIGN STATIONS from which the MEN taking their DISCHARGES were brought HOME; stating the Number from each, and the Average Cost of Passage, and of the Average Cost of the said MEN from the time of leaving the Head Quarters of their Regiments at the several Stations in the Colonies, to the Date of their Discharge, exclusive of Passage Money.

Arm of the Service.	Station from which Sent.	Numbers sent Home.				Average Cost of Passage per Man.		Average Cost per Man, from time of leaving Head Quarters of their Regiments at the several Stations to the Date of Discharge, exclusive of Passage Money.
		1860-1.	1861-2.	1862-3.	1863-4.	By Sailing Ship.	By Steamer.	
						£. s. d.	£. s. d.	£. s. d.
Cavalry - -	India - - -	110	35	41	48	26 18 11	- - -	10 - 10
	India - - -	40	25	26	20	26 18 11	- - -	10 3 4
	China - - -	2	7	1	1	29 1 -	- - -	11 19 3½
	St. Helena - -	1	-	-	-	11 8 -	16 - -	4 11 2½
Royal Artillery -	Malta - - -	-	-	1	-	No cases	7 10 -	3 1 -½
	Gibraltar - -	-	-	1	-	- ditto	5 10 -	2 12 4½
	Mauritius - -	-	-	-	1	29 17 6	- - -	8 - 2½
	America {Quebec - Halifax -}	-	-	-	1	No cases	{ 8 8 9 4 - - }	3 2 5½
	India - - -	3	-	-	-	26 18 11	- - -	9 15 10
	West Indies - -	-	-	1	-	- - -	20 - -	3 7 11½
	China - - -	2	4	-	-	29 1 -	No rates for deck passengers in the contract steamers.	11 10 2½
	Mauritius - -	2	1	-	-	29 17 6		7 14 7
	Cape of Good Hope	1	2	-	-	18 15 -		6 7 1
Royal Engineers	Australia - -	5	-	2	-	25 13 4		9 2 1
	Ionian Isles - -	1	-	-	-	No cases	10 - -	3 6 7
	Malta - - -	1	-	-	-	- ditto	7 10 -	2 19 8½
	America {Quebec - Halifax -}	2	2	2	1	- ditto	{ 8 8 9 4 - - }	3 1 1
	Gibraltar - -	-	1	1	-	- ditto	5 10 -	2 11 5½
Foot Guards -	America {Quebec - Halifax -}	-	-	5	52	- ditto	{ 8 8 9 4 - - }	2 18 4
	India - - -	810	683	784	719	26 18 11	- - -	8 10 -
	China - - -	7	42	28	-	29 1 -	- - -	10 - -
	Ceylon - - -	8	5	27	21	31 - -	No rates for deck passengers in the contract steamers.	7 7 6
	Mauritius - -	4	-	-	1	29 17 6		6 15 10
	Cape of Good Hope	29	25	14	-	18 15 -		5 12 6
Infantry - -	Australia - -	2	2	-	10	25 13 4		7 19 2
	Ionian Isles - -	1	2	3	-	No cases	10 - -	3 1 2
	Malta - - -	6	8	14	24	- ditto	7 10 -	2 15 4
	Gibraltar - -	13	8	3	3	- ditto	5 10 -	2 8 4
	America {Quebec - Halifax -}	11	14	36	47	- ditto	{ 8 8 9 4 - - }	2 16 6
	West Indies - -	22	42	42	50	- ditto	20 - -	3 2 4

A R M Y.

RETURNS showing the Manner in which the
MEN who have completed their LIMITED
SERVICE in the ARMY, in the Years 1860,
1861, 1862, and 1863, have been disposed of;
of the FOREIGN STATIONS from which the
MEN taking their DISCHARGES were brought
Home, stating the Number from each, and
the Average Cost of Passage; &c.

(Colonel North.)

Ordered, by The House of Commons, to be Printed,
4 July 1865.

